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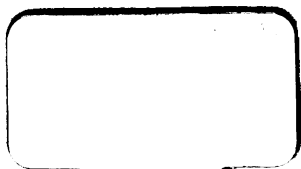
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A SUMMARY OF
THE
AMERICAN JOURNAL OF CONCHOLOGY
1865-1872

E. R. SYKES

LONDON
WILLIAM WESLEY & SON
28, ESSEX STREET, STRAND

1901

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PREFACE.

It has been a constant source of difficulty for many years past to ascertain what work has been done by our predecessors relating either to a special genus or to some faunal district; with the idea of rendering some assistance to students, the present work has been undertaken. With a view to furnishing an index to the periodical now dealt with, the few species described in its pages which do not belong to the Mollusca have been included; in future work, however,—and it is hoped, if sufficient support be forthcoming, to deal with other periodicals such as the ‘Zeitschrift für Malakozoologie’, ‘Annals and Magazine of Natural History’, &c.—no forms will be included which are not, in the strictest sense, Molluscs.

The general arrangement is that of the ‘Zoological Record’, and for those not familiar with its pages it may be noted that such an entry as ‘*Macha wilsonii*, China; TRYON, vi, p. 23, fig. : n. sp.’, implies that Tryon described a new species under this name from China in volume vi, at page 23, and that the species was figured. The sign † is prefixed to fossil forms.

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e. NEOTROPICAL ZONE.

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12. *Brazilian Region.*

Brazilian Region:—Land operculata; BLAND (14): Inoperculata; BLAND (16).

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13. *Mexican Region.*

Mexican Region:—Land operculata; BLAND (14): Inoperculata; BLAND (16).

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Hebrides:—Distribution of Marine Invertebrates; JEFFREYS (126).

3. West African Province.

Ascension:—N. spp. of *Cylindra*, *Mitra* and *Nassa*; PEASE (158).

Senegal:—*Lutraria costata*, n. sp.; TRYON (222).

4. South African Province.

Cape of Good Hope:—*Cystiscus capensis*, n. gen. and sp.; STIMPSON (185).

? Cape of Good Hope:—*Terebratella rubiginosa*, n. sp.; DALL (92, 94).

5. Indo-Pacific Province.

I. of Bourbon:—Notes on *Gastropoda*; PEASE (169).

Muscat:—*Pecten ruschenbergieri*, n. sp.; TRYON (222).

China:—*Acmæa (Collisella) hieroglyphica*, n. sp.; DALL (93): *Machawilsonii*, n. sp.; TRYON (223).

Philippines:—*Sanguinolaria robertsii*, n. sp.; TRYON (222).

Philippine Is. (?):—*Mitra williamsi*, n. sp.; NEWCOMB (148).

Polynesia:—N. spp. of *Daphnella*, *Mitra*, *Strigatella*, and *Turricula*; PEASE (155): Notes on some Marine Gastropods; PEASE (157): Some Gastropods figured; PEASE (158): N. spp. of *Dolabrifera*, *Pleurobranchus*, and *Volvatella*; PEASE (159): Synonymical notes on *Gastropoda*; PEASE (160): Notes on many *Gastropoda*; PEASE (165): Notes on *Gastropoda* from many Islands; PEASE (169): *Chitonidae* with n. spp. of *Acanthochites* from Hawaiian Islands; PEASE (171).

Pacific Is.:—Notes on Nudibranchs, with n. spp. of *Aclesia*, *Goniobranchus*, *Lobifera* and *Stenodoris*; PEASE (153): *Nassa approximata*, n. sp.; PEASE (158).

Hawaiian Is.:—*Mitra flammulata*, n. sp.; PEASE (155): N. spp. of *Aleyna*, *Atys*, *Leptothyra*, *Melampus*, *Mitra*, *Pleurotoma*, *Rissoina*, *Scalaria*, *Terebra*, *Torinia*, and *Triton*; PEASE (163): *Cypræa polita*, n. sp.; ROBERTS (179): *Cypræa annæ*, n. sp.; ROBERTS (180).—Hawaii: N. spp. of *Mitra*, *Odostomia*, *Operculatum*, *Scalaria*, and *Sistrum*; PEASE (158): N. spp. of *Scutellina*; PEASE (159).—Oahu: N. spp. of *Modiola* and *Proto*; NEWCOMB (148).

Caroline Is.:—N. spp. of *Rissoa*; PEASE (158): *Nassa nucæa*, n. sp.; PEASE (163).—Ponape: *Neritina rudis*, n. sp.; PEASE (158): N. spp. of *Amphiperas*, *Collonia*, and *Pisania*; PEASE (159).

Ebon I.:—N. spp. of *Engina* and *Nassa*; PEASE (163).

Fanning I.:—*Volutella elongata*, n. sp.; PEASE (158).

Jarvis I.:—*Narica granifera*, n. sp.; PEASE (163).

Kingsmill Is.:—N. spp. of *Sistrum*; PEASE (158): *Syphonota viridescens*, n. sp.; PEASE (159).—Tarawa I.: *Marginella polita*, n. sp.; PEASE (158): *Pachypoma virescens*, n. sp.; PEASE (163).—Apaian I.: N. spp. of

Cypræa, *Pedicularia* and *Purpura*; PEASE (159): *Doris compta*, n. sp.; PEASE (168).

Howland I.:—N. spp. of *Latirus* and *Odostomia*; PEASE (158): N. spp. of *Emarginula* and *Sistrum*; PEASE (159).

Rarotonga:—*Neritina dispar*, n. sp.; PEASE (158): *Tectura conoidalis*, n. sp.; PEASE (159).

Society Is.:—*Onychoteuthis æquimanus*, n. sp.; GABB (103).—Huaheine: N. spp. of *Lobiger*, *Lophocercus*, *Pleurobranchus*, *Syphonota*, and *Volva-tella*; PEASE (159): N. spp. of *Placobranchus*, *Pterogasteron*, *Trevellyana*, and *Triopa* (?); PEASE (167): N. spp. of *Chromodoris* and *Doris*; PEASE (168).—Raiatea: *Haminea nigropunctata*, n. sp.; PEASE (159).—Tahiti: N. spp. of *Cithara* and *Drillia*; PEASE (155): N. spp. of *Eulima*, *Gena*, *Mucronalia*, *Nerita*, *Neritina*, *Odostomia*, and *Scalaria*; PEASE (158): N. spp. of *Citharopsis*, *Dolabrifera*, *Eulima*, *Haminea*, *Phyllidia*, *Pleurobranchus*, *Scutellina*, *Tectura*, and *Triton*; PEASE (159): N. spp. of *Bornella*, *Doriopsis*, *Placobranchus*, and *Pterogasteron*; PEASE (167): N. spp. of *Chromodoris* and *Doris*; PEASE (168).

Marquesas:—*Latirus liratus*, n. sp.; PEASE (161): N. spp. of *Bulla*, *Littorina*, and *Planaxis*; PEASE (163).

Paumotu:—N. spp. of *Cithara*, *Clathurella*, *Daphnella*, *Drillia*, *Mitra*, *Mitropsis* (n. gen.), *Thala* and *Turricula*; PEASE (155): N. spp. of *Capulus*, *Engina*, *Eulima*, *Fastigiella*, *Gena*, *Latirus*, *Marginella*, *Narica*, *Odostomia*, *Olivella*, *Rissoina*, *Scalaria*, *Stylifer*, *Trochus*, and *Turbonilla*; PEASE (158): N. spp. of *Citharopsis*, *Collonia*, *Planaxis*, *Torinia*, and *Trinia*; PEASE (159): N. spp. of *Cerithium*; PEASE (163).—I. of Annas: N. spp. of *Euchelus* and *Neritopsis*; PEASE (158).

Maiao:—N. spp. of *Chromodoris* and *Doris*; PEASE (168).

6. Australo-Zelandic Province.

Australia:—N. spp. of *Columbella* and *Tritonidea*; PEASE (169): *Navea newcombi*, n. sp. [hab. corr. to California, p. 285]; TRYON (189).

New Zealand:—*Hiatula nitens*, n. sp.; TRYON (222).

7. Japonic Province.

Japan:—N. spp. of *Terebratella* and *Waldheimia*; DALL (92): *Magasella gouldii*, n. sp.; DALL (94): N. spp. of *Calliostoma*, *Modiola*, and *Pedicularia*; DALL (96).

8. Aleutian Province.

Eastern Siberia:—N. spp. of *Trichotropis* and *Turtonia*; DALL (96): *Cryptobranchia alba*, n. sp.; DALL (89).

Aleutian Islands:—N. spp. of *Salpa*; DALL (96).

Bering Sea:—N. spp. of *Boltenia*, *Buccinum*, *Iphinoe*, and *Rictocyma*; DALL (96): *Acmaea* (*Collisella*) *sybaritica*, n. sp.; DALL (93).

Sitka:—*Cryptobranchia* (?) *instabilis*, n. sp.; DALL (89).

Alaska:—N. spp. of *Alderia* (?), *Amauropsis*, *Bela* (?), *Buccinum*, *Drillia*, *Mangelia*, *Odostomia*, *Onchidella*, and *Pecten*; DALL (96).

North Pacific:—N. spp. of *Cleodora*, *Clione*, *Corolla* (n. gen.), and *Pneumodermon*; DALL (96).

St. Paul's Harbour, N. America:—*Yoldia seminuda*, n. sp.; DALL (96).

British Columbia:—N. spp. of *Entodesma* and *Liocyma*; DALL (96).

Western North America:—Review of species of *Monoceros*; STEARNS (182).

Vancouver and Californian Province:—*Acmæidæ*; CARPENTER (31).

9. Californian Province.

California:—*Lyropecten intermedius*, n. sp.; CONRAD (53): *Siliqua californica*, n. sp.; CONRAD (59): N. spp. of *Alvania*, *Amphissa*, *Astyris*, *Calliostoma*, *Ceropsis*, *Clathurella*, *Cynthia* (?), *Daphnella*, *Fissurellidæ*, *Gibbula*, *Lamellaria*, *Leptothyra*, *Limacina*, *Loliolus*, *Mercenaria*, *Onychoteuthis* (?), *Semele*, and *Tornatina*; DALL (96): *Octopus filosa*, n. sp.; HOWELL (125): N. spp. of *Murex* and *Omphalius*; PEASE (164): *Monoceros paucilirata*, n. sp.; STEARNS (182): N. spp. of *Ocenebra*; STEARNS (183): *Navea newcombi*, n. sp. [hab. given as Australia, but corrected on p. 285]; TRYON (189): *Rissoa exilis*, n. sp.; TRYON (205): *Rissoa cooperi*, n. sp.; TRYON (195).

Monterey Bay, Cal.:—Marine Mollusca; COOPER (78, 83): *Lingula albidæ*; NEWCOMB, v, p. 1.

Lower California:—*Venus pulicaria*; CONRAD (60): *Penitella parva*, n. sp.; TRYON (189): *Mastra gabbii*, n. sp.; TRYON (222).

Gulf of California:—*Glottidia palmeri*, n. sp.; DALL (94).

Straits of Fuca:—*Penitella curvata*, n. sp.; TRYON (189).

10. Panamic Province.

Middle America:—*Chama inermis*, n. sp.; DALL (96).

Mexico:—N. spp. of *Calliostoma*, *Modiolaria*, and *Persicula*; DALL (96).

Panama:—N. spp. of *Harvella* and *Spissula*; CONRAD (59): *Nitidella elegans*, n. sp.; DALL (96).

New Granada:—*Septifer trautwiniana*, n. sp.; TRYON (214).

11. Peruvian Province.

Rio de la Plata:—*Azara undata*, n. sp.; CONRAD (51).

12. Antarctic Province.

Patagonia:—*Magas* (*Magasella*, n. subgen.) *lævis*, n. sp.; DALL (92).

13. Caribbean Province.

Jamaica:—*Strigilla producta*, n. sp.; TRYON (223).

Santa Cruz:—*Septoteuthis ovata*, n. sp.; GABB (106).

St Kitts, W. I.:—*Cyrtopleura exilis*, n. sp.; TRYON (222).

St Vincent and Grenadines:—*Marginella calculus*, n. sp.; REDFIELD (177).

Texas and Gulf of Mexico:—*Anomalocardia floridana*, n. sp.; CONRAD (71).

Gulf of Mexico:—*Loligo hemiptera*, n. sp.; HOWELL (125).

14. Transatlantic Province.

Florida:—N. spp. of *Capulus*, *Conus*, *Cyrena*, *Modulus*, and *Urosalpinx*; CONRAD (71): N. spp. of *Dosinia*, *Lucina*, and *Tellina*; CONRAD (51): *Conus floridanus*, n. sp.; GABB (107): *Mercenaria fulgurans*, n. sp.; TRYON (200).

Delaware Bay:—*Macoma subrosea*, n. sp.; CONRAD (72).

New Bedford Harbour:—*Montacuta gouldi*, n. sp.; THOMSON (187).

GEOLOGICAL.

1. POST-TERTIARY.

Illinois River:—N. spp. of *Limnæa* and *Pyrgula*; WOLF (231).

Upper Amazon:—N. spp. of *Mesalia*, *Pachydon* (n. gen.), *Tellina* and *Turbonilla*; GABB (108).

2. TERTIARY.

Owing to the great difficulty of ascertaining to which section of the Tertiary the various papers relate they are grouped geographically.

United States:—Catalogue of Oligocene and Eocene Mollusca and Brachiopoda; CONRAD (33): Notes on some species of Eocene fossils said to have been erroneously described as Cretaceous by Gabb; CONRAD (42): reply by GABB (100): rejoinder by CONRAD (46): Illustrations of Miocene species from various localities; CONRAD (43): Notes on some species and genera; CONRAD (54): Illustrations of Miocene species with n. spp. of *Lunatia* and *Volutella* (Virginia); CONRAD (63).—Alabama: N. spp. of *Architectonica*, *Cancellaria*, *Cochlespira*, *Conus*, *Cyclas*, *Egeria*, *Monoptygma*, *Mysia*, *Nuculana*, *Strepsidura*, *Surcula*, and *Tornatellæ*; CONRAD (35): Illustrations of species, with n. spp. of *Cirsotrema*, *Murex*, and *Tornatellæ*; CONRAD (37): *Caryatis exigua*, n. sp.; CONRAD (74): N. spp. of *Columbella*, *Crassatella*, *Cucullæa*, *Fulgur*, *Fusus*, *Mitra*, *Natica*, *Pisania*, *Pleurotoma*, *Potamides*, *Pyrgula*, *Turritella*, *Velutina*, and *Voluta*; WHITFIELD (230).—Colorado: *Goniobasis carterii*, n. sp.; CONRAD (66): N. spp. of *Anodonta* and *Melania*; CONRAD (74).—Maryland: *Lunatia marylandica*, n. sp.; CONRAD (37): N. spp. of *Busycon*; CONRAD (43): N. spp. of *Bursa*, *Corbula*, and *Zizyphinus*; CONRAD (60): N. spp. of *Carditamera*, *Caryatis*, and *Mercenaria*; CONRAD (65): N. spp. of *Capssa*, *Pecten*, *Saxicava*, and *Scapharca*; CONRAD (68): N. spp. of *Mercenaria* and *Saxicava*; CONRAD (70).—Mississippi: N. spp. of *Cerithium*, *Mitra*, *Monoptygma*, and *Pseudoliva*; WHITFIELD (230): N. spp. from Clarke Co. of *Alveinus*, *Arcoperna*, *Axincea*, *Corbula*, *Crassatella*, *Cyclas*, *Dione*, *Doliopsis*, *Gouldia*, *Mesalia* (?), *Nucula*, *Nuculana*, *Ostrea*, *Pecten*, *Protocardia*, *Sphaerella*, *Tellina*, and *Turritella*; CONRAD (34): N. spp. of *Conus* and *Corbula*; CONRAD (35): N. spp. of *Abra* and *Macoma*; CONRAD (74).—New Jersey: N. spp. of *Acteonema*, *Avicula*, *Pleurotomaria*, *Surcula*, and *Yoldia*; CONRAD (38): N. spp. of *Carditamera*, *Lithophaga*, *Mysia*, *Periploma*, *Saxicava*, and *Tellina*; CONRAD (43): N. spp. of *Bucardia*, *Caryatis*, *Crassatella*, *Crassina*, *Onustus*, *Pecten*, *Protocardia*, and *Terebratulula*; CONRAD (68).—North Carolina: *Volutifusus typus*, n. gen. and sp.; CONRAD (43): N. spp. of *Neverita* and *Sycotypus*; CONRAD (60): *Crepidula recurvirostra*, n. sp.; CONRAD (72): *Sycotypus elongatus*, n. sp.; GILL (115).—Oregon: Catalogue of older Eocene Mollusca and Brachiopoda; CONRAD (36): N. spp. of *Helix* and *Planorbis*; CONRAD (75).—South Carolina: N. spp. of *Ficus* and *Sycotypus*; CONRAD (56): *Artena undulata*, n. sp.; CONRAD (72).—Texas: N. spp. of *Cancellaria*, *Cochlespira*, *Drillia*, *Surcula*, *Tortoliva* (n. gen.), and *Volutilithes*; CONRAD (35): Illustrations of species, with n. spp. of *Buccitriton*, *Cancellaria*, and *Cochlespira*; CONRAD (37): *Venericardia mooreana*, n. sp.; CONRAD (57).—Virginia: N. spp. of *Astarte*, *Busycon*, *Cancellaria*, and *Spisula*; CONRAD (43): N. spp. of *Cumingia* and *Mercenaria*; CONRAD (48): N. spp. of *Pecten*; CONRAD (57): N. spp. of *Cylichna*, *Modiolaria*, *Mulinia*, *Paranassa*, and *Ptychosalpinx*; CONRAD (60): *Callista virginiana*, n. sp.; CONRAD (68): N. spp. of *Crepidula*; CONRAD (72): *Axincea bella*, n. sp.; CONRAD (74).

Upper Amazon:—N. spp. of *Bulimus*, *Dyris* (n. gen.), *Ebora* (n. gen.), *Hemisinus*, *Isœa* (n. gen.), *Liris* (n. gen.), *Neritina*, and *Pachyodon*; CONRAD (73): *Corbula* (*Anisothyris*?) *ledæformis*, n. sp.; DALL (95).

Peru:—Fossils from Payta, with n. spp. of *Ampullina*, *Arca*, *Cardium*, *Cerithium*, *Fusus*, *Littorina*, *Raeta*, *Tritonium*, *Turritella*, and *Volutilithes*; GABB (112).

3. SECONDARY.

Cretaceous:—Notes on some N. American species described by Gabb, said to be really Tertiary; CONRAD (42): reply by GABB (100): rejoinder by CONRAD (46).—Notes on some United States species; CONRAD (54).—N. spp. of *Diploschiza*, n. gen., and *Terebratulina* from Alabama; CONRAD (44).—Note on black limestone fossils from Dakota; CONRAD (53).—*Astarte* (?) *staminea*, n. sp., Mississippi; CONRAD (72).—N. spp. of *Ænona* (n. gen.), *Æora* (n. gen.), *Cardium*, *Solyma* (n. gen.), *Tenea* (n. gen.), and *Venilia* from New Jersey; CONRAD (72).—N. spp. of *Crassatella* [described as Eocene, but really Cretaceous; iii, p. 270]; CONRAD (48).—N. spp. of *Camptonectes*, *Cancellaria*, *Cardium*, *Donax*, *Eulima*, *Gadus*, *Gemma* (?), *Liroscapha* (n. gen.), *Nemoarca*, *Perissonota* (n. gen.), and *Trigonoarca* from New Jersey; CONRAD (70).—N. spp. of *Gouldia* and *Scambula* (n. gen.) from New Jersey; CONRAD (69).—N. spp. of *Azinœa*, *Crassatella*, *Cyprimeria*, *Dentalium*, *Goniosoma*, *Inoceramus*, *Nucularia*, and *Trigonoarca* from New Jersey; CONRAD (68).—*Cyprimeria peruviana*, n. sp., Peru; CONRAD (48).

Jurassic:—Notes on fossils from Plumas Co., Cal., with n. spp. of *Ammonites*, *Astarte*, *Cardium*, *Goniomya*, *Pholadomya*, *Plicatula*, and *Turbo* (?), from Nevada; GABB (109).

Trias:—N. spp. of *Astarte* from New Jersey; CONRAD (65).—*Solemya triasina*, n. sp., Pennsylvania; CONRAD (70).—N. spp. of *Cardinia* (?), *Cassianella*, *Monotis*, *Posidonomya*, and *Spirifer*, Nevada; GABB (109).

4. PRIMARY.

Palæozoic:—N. spp. of *Martesia* (?), Texas, and *Sanguinolites* from Missouri and Ohio; MEEK (136).

Carboniferous:—*Prisonaia ventricosa*, n. gen. and sp., Kansas; CONRAD (54).—*Prothyris elegans*, n. sp., Nebraska and Illinois; MEEK (136).

Silurian:—N. spp. of *Trimerella* from Canada; DALL (94).

III. SYSTEMATIC.†

MOLLUSCA IN GENERAL.

Classification of the Mollusca; MÖRCH (138).

I. CEPHALOPODA.

DIBRANCHIATA.

Argonauta argo, notes on; FORD, iv, p. 276: *A. pacifica*, note on; DALL, vii, p. 95.

† This sign is prefixed to fossil forms.

- Loligo hemiptera*, Gulf of Mexico; HOWELL, iii, p. 239, fig.: n. sp.
Loliolus steenstrupi, California; DALL, vii, p. 97: n. sp.
Octopus filosa, California; HOWELL, iii, p. 240, fig.: n. sp.
Onychoteuthis (?) *lobipennis*, California; DALL, vii, p. 96: *O. æquimanus*,
 Society Is.; GABB, iv, p. 23, fig.: n. spp.
Septeuthis ovata, Santa Cruz, W. I.; GABB, iv, p. 193, fig.: n. sp.

AMMONEA.

- †*Ammonites billingsianus*, note on; GABB, v, p. 8.
 †*Ammonites nevadanus*, p. 6, *colfaxii*, p. 7, Jurassic, Nevada; GABB, v,
 figg.: n. spp.
 †*Cyclomera*, n. n. for *Cycloceras*, Conrad, nom. preocc.; CONRAD, ii, p. 78.

TETRABRANCHIATA.

- †*Aturia mathewsoni*, Gabb, belongs to *Hercoglossa*; CONRAD, iii, p. 6.
 †*Cimomia*, n. gen. for *Nautilus burtini*, Galeotti; CONRAD, ii, p. 102.
 †*Hercoglossa*, n. gen. for *Nautilus orbiculatus*, Tuomey; CONRAD, ii, p. 101.
 †*Nautilus perforatus*, Conrad, note on; CONRAD, ii, p. 101.
 †*Orthoceras blakei*, note on; GABB, v, p. 6.

II. GASTROPODA.

Notes on some Polynesian Gastropods; PEASE (157, 160, 165).

PULMONATA.

STYLOMMATOPHORA.

TESTACELLIDÆ.

- Glandina rosea*, radula of; BINNEY & BLAND (11).
Pupa palangula, radula; BINNEY (10).
Strebelia (*Physella*) *berendti*, note on; TRYON, vi, p. 181.

LIMACIDÆ, ZONITIDÆ, and PHILOMYCIDÆ.

- Guppya*, n. n. for *Stenopus*, Guilding, and *Conulus*, Guppy; TATE, v,
 p. 154.
Helix morsei, n. n. for *H. binneyana*, Morse, nom. preocc.; TRYON, i,
 p. 188.
Helix cerinoidea, North Carolina; ANTHONY, i, p. 351, fig.: *H. liberix*,
 Liberia; BROWN, i, p. 136 [is a synonym of *H. africana*, Pfr.; TRYON,
 ii, p. 183]: *H. significans*, Indian Territory; BLAND, ii, p. 372, fig.:
H. (Conulus) chersinella, California; DALL, ii, p. 328, fig.: *H. tavin-*
niensis, Viti Is.; GARRETT, vii, p. 223, fig.: *H. (Macrocyclis) voyana*,
 California; NEWCOMB, i, p. 235, fig.: *H. venosus*, *frivola*, Polynesia;
 PEASE, ii, p. 290, figg.: *H. marquesana*, Marquesas; PEASE, iv,
 p. 153, fig.: *H. blakeana*, Nicaragua; TATE, v, p. 155, fig.: †*H.*
 (*Zonites*) *marginicola*, Tertiary, Oregon; CONRAD, vi, p. 315, fig.:
 n. spp.
Hyalinia alicia, Trinidad; GUPPY, vi, p. 309: n. sp.

- Krynickyia americana*, Nicaragua; TATE, v, p. 154, fig.: n. sp.
Limax maximus, jaw and radula; BINNEY & BLAND, vi, p. 203.
Nanina calias, cultrata, radula; BLAND & BINNEY, vii, p. 188.
Nanina hoytii, p. 221, *tenella, otareæ*, p. 222, *godeffroyana*, p. 223, Viti Is.; GARRETT, vii, figg.: *N. verticillata*, Moorea; PEASE, iii, p. 228: n. spp.
Orobia andamanensis, Andaman Is.; TRYON, v, d. 110, fig.: n. sp.
Rhysota chamberlinii, Andaman Is.; TRYON, v, p. 109, fig.: n. sp.
Tebennophorus auratus, Nicaragua; TATE, v, p. 153: n. sp.
Vitrina subviridis, p. 154, *fusca*, p. 155, Marquesas; PEASE, iv, figg.: n. spp.
Zonitidæ, radula of several species; BLAND & BINNEY, vii, pp. 174 & 175:
Z. implicans, umbratilis, figd.; GUPPY, vi, p. 307.

ARIONIDÆ.

- Ariolimax*, Mörch, note on genus with radula of *A. columbianus*; BINNEY, i, p. 48.

ENDODONTIDÆ.

- Helix africa*, S. Africa; BROWN, i, p. 136: *H. haydeni*, Utah; GABB, v, p. 24, fig.: *H. idahoensis*, Idaho; NEWCOMB, ii, p. 1, fig.: *H. hemphilli*, Arizona; NEWCOMB, v, p. 165: *H. oualanensis*, Oualan I., p. 289, *distans*, p. 290, *decussatula, rugata*, p. 291, *laminata, capillata*, p. 292, Hawaiian Is.; PEASE, ii, first figd.: *H. consimilis*, Tahiti; PEASE, iii, p. 227: *H. alta*, Ponape, p. 153, *congrua*, Ponape, p. 154; PEASE, iv, figg.: n. spp.
Pitya tumuloides, p. 225, *cavernula*, p. 226, *canalis, rudis*, p. 227, *decorticata, harveyensis, otareæ*, p. 228, *youngi, tenuicostata*, p. 229, *proxima, multilamellata*, p. 230, Rarotonga; GARRETT, vii, figg.: n. spp.

HELICIDÆ.

- Ammonitella yatesi*, California; COOPER, iv, p. 209, fig.: n. sp.
Ampelita bigsbeyi, Andaman Is.; TRYON, v, p. 40, fig.: n. sp.
Dædalochila harfordiana, California; COOPER, v, p. 196, fig.: n. sp.
Helicidæ, jaw and radula of many species; BINNEY & BLAND (11):
 Radula and jaw of many species; BLAND & BINNEY, vii, pp. 176-180:
 Distribution of West American species; COOPER, iv, p. 211: Species of Western Coast of N. America, with notes on some animals; NEWCOMB, i, p. 342; ii, p. 13: *H. newberryana*, jaw and radula; BLAND & BINNEY, vii, p. 190: *H. rufa*, De Kay, equals *H. thyroides*, Say; MICHENER, ii, p. 53: Is distinct; TRYON, *pag. cit.*: *H. tryoni*, Newc., variation in the jaw; BINNEY, i, p. 47: *H. parkeri*, n. n. for *H. bridgesi*, Tryon nec Newcomb; TRYON, iii, p. 105: *H. fidelis*, habits of; THOMSON, iii, p. 104: *H. elevata*, sinistral; TRYON, iii, p. 104: *H. capsella, ligera, sayii*, figured; LEWIS, vi, pp. 188-191: *H. ierensis, batrixicola*, figd.; GUPPY, vi, p. 307.
Helix jacksonii, p. 371, Indian Territory, *febigeri*, New Orleans, p. 373; BLAND, ii, figg.: *H. diabloensis*, California; COOPER, iv, p. 221 [cf. v, p. 207]: *H. (Polygyra) behrri*, p. 208, (*P.*) *anilis*, p. 209, Mexico; GABB, i, figg.: *H. hornii*, Arizona; GABB, ii, p. 330, fig.: *H. stearnsiana*, p. 235, *lohrii*, p. 236, Lower California; GABB, iii, figg.: *H. cæcoides*, Nicaragua; TATE, v, p. 155, fig.: *H. bridgesi*, Nicaragua; TRYON, ii, p. 303, fig. [renamed *parkeri*]; TRYON, iii, p. 105]: *H. gaussoini*, Navassa I.; TRYON, ii, p. 304, fig.: n. spp.

BULIMIDÆ, BULIMULIDÆ, and ORTHALICIDÆ.

- Amphibulima*, radula; BLAND & BINNEY, vii, p. 186.
Bulimus and *Bulimulus*, jaw and radula of several species; BLAND & BINNEY, vii, pp. 180-182.
Bulimulidæ and *Orthalicidæ*, jaw and radula of; BINNEY & BLAND (11).
Bulimus aureolus, notes on; GUPPY, vi, p. 307: †*B. floridanus*, Conrad, figured; CONRAD, i, p. 144.
Bulimus spirifer, Lower California; GABB, iii, p. 236, fig.: *B. ochrostoma*, p. 232, *rambiensis*, *crassilabrum*, p. 233, *rugatus*, *hoyti*, p. 234, *guanensis*, p. 235, *koroensis*, p. 236, Viti Is.; GARRETT, vii, figg.: *B. (?) Borus* *coxi*, Solomons; PEASE, vii, p. 197: *B. tryonianus*, Borders of Panama and Costa Rica; TATE, v, p. 157, fig.: †*B. lineus*, Tertiary, Upper Amazon; CONRAD, vi, p. 195, fig.: n. spp.
Partula fusca, p. 193, *ovalis*, *vittata*, p. 194, *citrina*, *trilineata*, p. 195, *elongata*, p. 196, *gracilis*, *striolata*, p. 197, *vevillum*, *stolida*, p. 198, *crassilabris*, *rustica*, p. 199, *umbilicata*, *compacta*, p. 200, *bilineata*, p. 201, *simulans*, *fasciata*, p. 202 [= *ganymedes*, Pfr., p. 293], *variabilis*, p. 203, Tahitian Archipelago; PEASE, ii [several figd. iii, pl. i]: *P. obesa*, loc. incert., p. 223, fig., *affinis*, *lineolata*, Tahiti, p. 224, *assimilis*, Rarotonga, p. 230, fig.; PEASE, iii: *P. strigata*, *recta*, Marquesas; PEASE, iv, p. 155, figg.: *P. expansa*, Tutuila, *bicolor*, Guam, p. 26, *brazieri*, Tutuila, p. 27; PEASE, vii, figg.: *P. turricula*, (?) New Hebrides, *concinna*, New Hebrides; PEASE, vii, p. 196: n. spp.
Simpulopsis corrugata, radula; GUPPY, vi, p. 308.

BULIMINIDÆ, CYLINDRELLIDÆ, and PUPIDÆ.

- Buliminus pilosus*, Trinidad; GUPPY, vi, p. 310, fig.: n. sp.
Bulimus marginatus and *fallax* are distinct species; TRYON, i, p. 285.
Clausilia tridens, radula and jaw; BLAND & BINNEY, vii, p. 28.
Cylindrella rosea, radula; BINNEY (10): *C. trinitaria*, jaw and radula; BLAND, iv, p. 186: *C.*, radula; BLAND & BINNEY, vii, pp. 183 & 184: *C. newcombiana*, Gabb, is a *Eucalodium* and equals *Clausilia taylors*, Pfr.; TRYON, v, p. 50.
Cylindrella coahuilensis, Mexico; BINNEY, i, p. 50, fig.: *C. remondii*, Mexico; GABB, i, p. 208, fig.: *C. (Urocoptis) newcombiana*, p. 238, *irregularis*, p. 239, Lower California; GABB, iii, figg.: n. spp.
Macroceramus gossei, jaw and radula; BLAND & BINNEY, vii, p. 187.
Megaspira, internal structure of; BLAND, ii, p. 64, fig.
Pupa (Modicella) arizonensis, *hordacea*, Arizona; GABB, ii, p. 331, figg.: n. spp.
Vertigo tridentata, Illinois; WOLF, v, p. 198, fig.: n. sp.

STENOGYRIDÆ and ACHATINELLIDÆ.

- Achatinella*, notes on, with illustrations of, several species; NEWCOMB, ii, p. 209.
Carelia olivacea, Hawaiian Islands; PEASE, ii, p. 293: n. sp.
Columna leai, Prince's I.; TRYON, ii, p. 297, fig.: n. sp.
Opeas pealei, Andaman Is.; TRYON, v, p. 110, fig.: n. sp.
Stenogyridæ, radula; BLAND & BINNEY, vii, p. 183.
Tornatellina interstriata, Borders of Panama and Costa Rica, *hyalina*, Nicaragua; TATE, v, p. 157, figg.: n. spp.

SUCCINEIDÆ, ONCHIDIIDÆ, and VERONICELLIDÆ.

- Onchidella borealis*, Alaska; DALL, vii, p. 135: n. sp.
Succinea effusa, jaw and radula of; BINNEY & BLAND (11): *S. sagra*, jaw and radula; BLAND & BINNEY, vii, p. 184.
Succinea higginsii, Lake Erie; BLAND, ii, p. 373, fig.: *S. labiata*, Raiatea; PEASE, iii, p. 227: *S. unicolor*, Louisiana, p. 230, *greerii*, Mississippi, p. 232, *gabbii*, Oregon and California, p. 234, *decampii*, Michigan, *higginsii* (Bland), Lake Erie, p. 237; TRYON, ii, figg.: n. spp.
Veronicella, radula and jaw; BLAND & BINNEY, vii, p. 163.

BASOMMATOPHORA.

AURICULIDÆ, LIMNÆIDÆ, and PHYSIDÆ.

- Ancylus textilis*, Trinidad; GUPPY, vi, p. 311, fig.: *A. altus*, Klamath River, *subrotundatus*, Oregon; TRYON, i, p. 230, figg.: n. spp.
Autonoe, n. gen. for *A. riparia*, n. sp., Trinidad; GUPPY, vi, p. 306, fig.
Bulinus tryoni, Michigan; CURRIER, iii, p. 112, fig. [Is a variety of *B. hypnorum*, LEWIS, iv, p. 81]: *B. berlandierianus*, Texas; BINNEY, i, p. 51: n. spp.
Carinifex, note on genus; BINNEY, i, p. 50.
Laimadonta conica, Pease, figd.; PEASE, iv, p. 101.
Limnæa, notes on American species; TRYON, iii, p. 196: Notes on Hawaiian forms; PEASE, vi, p. 4: Synonymic catalogue of United States species, with *L. tryonii* (Lea MS.), n. n. for *L. traskii*, Lea nec Tryon; TRYON, i, pp. 247-258: Habits and variation; LEWIS, vi, p. 85: *L. appressa*, *megasoma*, radula and jaw; BLAND & BINNEY, vii, p. 161.
Limnæa palmeri, Mexico; DALL, vii, p. 135: *L. techella*, Texas; HALDEMAN, iii, p. 194, fig.: *L. turgidula*, p. 5, *compacta*, Oahu, *ambigua*, Hawaiian Is., p. 6; PEASE, vi, figg.: *L. rowellii*, California, *zebra*, Minnesota etc., p. 228, *gabbii*, California, *binneyi*, Oregon, *brownii*, Ohio, p. 229; TRYON, i, figg.: *L. wilsonii*, New Zealand; TRYON, ii, p. 11, fig.: *L. (Limnophysa) shurtleffii*, Connecticut; TRYON, ii, p. 111, fig.: †*L. tazewelliana*, Post-Pliocene, Illinois River; WOLF, v, p. 198, fig.: n. spp.
Melampus striatus, Pease, figd.; PEASE, iv, p. 100.
Melampus lucidus, Oahu; PEASE, v, p. 75: n. sp.
Ophicardelus paludosus, Viti and Samoa Is.; GARRETT, vii, p. 220, fig.: n. sp.
Persa melanostoma, Viti Is.; GARRETT, vii, p. 224, fig.: n. sp.
Physa, catalogue of species found in United States; TRYON, i, pp. 165-173: *P. pomilia*, Conrad, figd.; CONRAD, ii, p. 278: *P. gyrina*, Say, abnormal specimen; TRYON, ii, p. 114, fig.: *P. heterostropha*, distortion of; TRYON, ii, p. 181: *P. scalaris*, Jay, is a good species; TRYON, iii, p. 104.
Physa deformis, Michigan; CURRIER, iii, p. 112, fig.: *P. propinqua*, Idaho, p. 223, *cooperti*, *sparsestriata*, *diaphana*, California, p. 224, *malleata*, Oregon, *distinguenda*, p. 225, *politissima*, California, *occidentalis*, California and Oregon, p. 226, *primeana*, Long Island, *lata*, Pennsylvania, p. 227; TRYON, i, figg.: *P. coniformis*, Oregon, *oleacea*, Alabama; TRYON, ii, p. 6, figg.: *P. (Isidora) hainesii*, (*Bulinus*) *acutispira*, Australia; TRYON, ii, p. 9, figg.: n. spp.
Planorbis sinuosus, Bonnet, probably equals *glabratus*, Say; TRYON, i, p. 183: *P. bicarinatus*, abnormality; TRYON, ii, p. 3, fig.: *P. binneyi*, n. n. for *P. corpulentus*, Auct. nec Say; TRYON, iii, p. 197.

- Planorbis meniscus*, Trinidad; GUPPY, vi, p. 310, fig.: *P. declivis*, Nicaragua; TATE, v, p. 159: *P. hornii*, Fort Simpson, Brit. Amer., oregonensis, Oregon; TRYON, i, p. 230, figg.: *P. esperanzensis*, Cuba, (*Planorbula*) *berendtii*, Mexico; TRYON, ii, p. 10, figg.: *P. (Gyraulus) circumstriatus*, Connecticut; TRYON, ii, p. 113, fig.: †*P. (Spirorbis) lunatus*, Tertiary, Oregon; CONRAD, vi, p. 315, fig.: n. spp.
- Plecotrema hirsuta*, Viti Is.; GARRETT, vii, p. 219, fig.: n. sp.
- Pompholyx*, note on; TRYON, v, p. 52: *P. effusa*, radula; BLAND & BINNEY, vi, p. 312.
- Pythia lentiginosa*, p. 220, *perovata*, p. 221, Viti Is.; GARRETT, vii, figg.: n. spp.

SIPHONARIIDÆ and GADINIIDÆ.

- †*Anisomyon*, note on genus; DALL, vi, p. 39.
- †*Deslongchampsia*, on the genus; DALL, vi, p. 19.
- Gadinidæ*, review of family, with anatomy, and *G. angasi*, n. n. for *pentagoniostoma*, Angas nec Sby.; DALL, vi, pp. 8-22: *Gadinia* and *Rowellia*, note on; COOPER, vi, p. 319: Reply; DALL, vii, p. 192.
- Liriola*, n. sect. of *Siphonaria*, type *S. thersites*, Cptr.; DALL, vi, p. 32.
- Siphonariidæ*, on the group and anatomy of; DALL, vi, p. 30: *S. depressa*, figured; PEASE, iv, p. 98.

OPISTHOBRANCHIATA.

NUDIBRANCHIATA.

- Alderia* (?) *albopapillosa*, Alaska; DALL, vii, p. 137: n. sp.
- Bornella arborescens*, Tahiti; PEASE, vi, p. 302, fig.: n. sp.
- Chromodoris variegata*, p. 15, *maculosa*, p. 16, Tahiti, *rufomaculata*, Huaheine, *simplex*, Maiao, p. 17, *inornata*, *lentiginosa*, Huaheine, p. 18, *varians*, Huaheine and Maiao, p. 19; PEASE, vii, figg.: n. spp.
- Doriopsis*, Pease, note on genus with figure of *D. viridis*, Pease; PEASE, vi, p. 299.
- Doriopsis scabra*, Tahiti; PEASE, vi, p. 300, fig.: n. sp.
- Doris oreosoma*, *tincta*, n. n. respectively for *excavata*, Pease, *papillosa*, Pease; PEASE, iv, p. 132.
- Doris villosa*, *debilis*, p. 11, Huaheine, *compta*, Apaian, *rubrilineata*, Tahiti, p. 12, *cinerosa*, *nubilosa*, p. 13, Huaheine, *sordida*, Tahiti, *fuscescens*, Maiao, p. 13; PEASE, vii, figg.: n. spp.
- Goniobranchus*, n. gen. for *Doris vibrata*, Pease, and others; PEASE, ii, p. 204.
- Goniobranchus albomaculatus*, p. 204 [figd. vi, p. 201], *reticulatus*, p. 205, Pacific Is.; PEASE, ii: n. spp.
- Hanstellodoris*, n. n. for *Doriopsis*, Alder and Hancock nec Pease; PEASE, vi, p. 300.
- Lobifera*, n. n. for *Polybranchia*, Pease, with *L. nigricans*, *papillosa*, Pacific Islands, n. spp.; PEASE, ii, p. 207.
- Phyllidia nigra*, Tahiti; PEASE, iv, p. 80, fig.: n. sp.
- Placobranchus gracilis*, Tahiti, *variegatus*, Huaheine; PEASE, vi, p. 303, figg.: n. spp.
- Pterogasteron marginatus*, Huaheine, *rufescens*, *nigropunctatus*, Tahiti; PEASE, vi, p. 304, figg.: n. spp.

- Stenodoria*, n. gen. for *S. rubra*, n. sp., Pacific Is.; PEASE, ii, p. 205, fig.
Trevelyana picta, Huaheine; PEASE, vi, p. 301, fig.: n. sp.
Triopa (?) *gracilis*, Huaheine; PEASE, vi, p. 301, fig.: n. sp.

TECTIBRANCHIATA.

- Aclesia producta*, Pacific Is.; PEASE, ii, p. 207: n. sp.
Atys costulosa, Oahu; PEASE, v, p. 73: n. sp.
Bulla conspersa, Marquesas; PEASE, v, p. 72: n. sp.
Cleodora occidentalis, North Pacific; DALL, vii, p. 140: n. sp.
Clyone elegantissima, Pacific Ocean; DALL, vii, p. 139: n. sp.
Corolla, n. gen. for *C. spectabilis*, n. sp., North Pacific; DALL, vii, p. 137.
Cryptothalmus cylindricus, animal; PEASE, iv, p. 74.
†*Cylichna virginea*, Miocene, Virginia; CONRAD, iii, p. 257, fig.: n. sp.
Dolabrifera fusca, loc. not stated, p. 76, *tahitensis*, Tahiti, p. 77; PEASE, iv, figg.: n. spp.
Haminea novæ-eboracæ, Sby., is *Bulla insculpta*, Totten; TRYON, iv, p. 283.
Haminea nigropunctata, Raiatea, *ovalis*, p. 71, *simillima*, *aperta*, p. 72, Tahiti; PEASE, iv, first three figd.: n. spp.
Limacina pacifica, California; DALL, vii, p. 138: n. sp.
Lobiger, note on genus, with *L. picta*, Huaheine, n. sp., fig.; PEASE, iv, p. 75.
Lophocercus viridis, Huaheine; PEASE, iv, p. 74, fig.: n. sp.
Pleurobranchus violaceus, n. n. for *P. reticulatus*, Pease nec Kelaart; PEASE, iv, p. 132.
Pleurobranchus grandis, Huaheine, p. 78, *ovalis*, Tahiti, *delicatus*, Huaheine, p. 79, *tessellatus*, loc. not stated, p. 80; PEASE, iv, figg.: n. spp.
Pneumodermos pacificum, North Pacific; DALL, vii, p. 139: n. sp.
Rictaxis, n. subgen. of *Actæon* for *Tornatella punctocelata*, Cptr.; DALL, vii, p. 136.
Syphonota viridescens, Kingsmill Is., *punctata*, Huaheine; PEASE, iv, p. 77, figg.: n. spp.
†*Tornatellæa lata*, Eocene, Alabama; CONRAD, i, pp. 145, 212, fig.: n. sp.
Tornatina harpa, California; DALL, vii, p. 136, fig.; n. sp.
Volvatella, note on genus, with *V. pyriformis*, Huaheine, *candida*, loc. not stated, n. spp., figg.; PEASE, iv, p. 73.

PROSOBRANCHIATA.

PECTINIBRANCHIATA.

TOXOGLOSSA.

TEREBRIDÆ, CONIDÆ, PLEUROTOMIDÆ, and CANCELLARIIDÆ.

- Bela* (?) *levigata*, Alaska; DALL, vii, p. 98, fig.: n. sp.
†*Bellaspira*, n. gen. for *Mangelia virginiana*, Conrad; CONRAD, iii, p. 261.
†*Cancellaria ellapsa*, Eocene, Texas; CONRAD, i, p. 212, fig.: †*C. perspectiva*, p. 67, *scalarina*, p. 68, Miocene, Virginia; CONRAD, ii, figg.: †*C. subalta*, New Jersey, Cretaceous; CONRAD, v, p. 100, fig.: †*C. lirata*, *tortiplica*, Texas, *impressa*, Alabama, all Eocene, first and last figd.; CONRAD, i, p. 145 [second figd. p. 211]: n. spp.

- Cithara debilis*, n. n. for *C. dædalea*, Pease, nom. preocc., *angiotoma*, n. n. for *Pleurot. triticea* Rve. nec Kiener; PEASE, iv, p. 105.
- Cithara decussata*, *brevis*, Paumotus, *paucicostata*, Tahiti, p. 217, *dædalea*, Paumotus, p. 218; PEASE, iii, figg. : n. spp.
- Citharopsis*, for *C. ornata*, Tahiti, *gracilis*, Paumotus, n. spp., and others; PEASE, iv, p. 97, figg.
- Clathurella tumida*, *violacea*, p. 218, *canaliculata*, p. 219, Paumotus; PEASE, iii, figg.: *C. canfieldi*, California, p. 101, fig., *affinis*, Cape St Lucas, p. 102; DALL, vii : n. spp.
- Clionella*, notes on genus and allies; STIMPSON, i, p. 62.
- †*Cochlespira engonata*, Eocene, Alabama and Texas; CONRAD, i, pp. 142, 210, fig. : †*C. bella*, Eocene, Texas; CONRAD, i, p. 210, fig. : n. spp.
- Conus parvus*, n. n. for *C. fusiformis*, Pease, nom. preocc.; PEASE, iv, p. 126.
- Conus stearnsii*, Florida; CONRAD, v, p. 104, fig. : *C. floridanus*, Florida; GABB, iv, p. 195, fig. : †*C. alveatus*, Mississippi, *subauridens*, Alabama, Eocene; CONRAD, i, p. 148, figg. : n. spp.
- Daphnella fusciligata*, California; DALL, vii, p. 100: *D. crenulata*, Polynesia, *varicifera*, *curta*, Paumotus; PEASE, iii, p. 221, figg. : n. spp.
- Drillia kennicotti*, Alaska; DALL, vii, p. 102, fig. : *D. lauta*, Paumotus, *exilis*, Tahiti; PEASE, iii, p. 220, figg.: †*D. texana*, Eocene, Texas; CONRAD, i, p. 143 : n. spp.
- Mangelia* (?) *alaskensis*, p. 98, *aleutica*, p. 99, *funerale*, p. 100, Alaska; DALL, vii : n. spp.
- †*Moniliopsis*, n. gen. for *Pleurotoma elaborata*, Conrad, Eocene; CONRAD, i, p. 143.
- Pleurotoma bicarinata*, Pease, note on; PEASE, iii, p. 222, fig.
- Pleurotoma lirata*, *monilifera*, Oahu; PEASE, v, p. 68: †*P. capax*, p. 261, *nasuta*, *persa*, *adeona*, p. 262, Eocene, Alabama, first and third figd.; WHITFIELD, i : n. spp.
- †*Surcula gabbii*, Eocene, Texas, fig., *lutea*, Eocene, ? Claiborne; CONRAD, i, p. 142: †*S. (Surculites) annosa*, Eocene, New Jersey; CONRAD, i, p. 213, fig. : n. spp.
- Terebra divisa*, Pease, n. n. for *T. concinna*, Deshayes nec Dillwyn; PEASE, iv, p. 124: *T. peasei*, Desh., really equals *T. puncticulata*, Desh.; PEASE, v, p. 64: *T. swainsonii*, Desh., n. var.; PEASE, v, p. 64; *T. contigua*, n. n. for *assimilis*, Pease nec Angas; PEASE, vii, p. 20.
- Terebra sculptilis*, p. 64, *suffusa*, *rosacea*, p. 65, Oahu, *propinqua*, Hawaii, *costellifera*, *lauta*, p. 66, *sulcata*, *assimilis*, p. 67, Oahu; PEASE, v : n. spp.

RACHIGLOSSA.

OLIVIDÆ, MARGINELLIDÆ, VOLUTIDÆ, and MITRIDÆ.

- †*Athleta*, note on genus; CONRAD, iv, p. 248.
- Cylindra formosa*, Ascension; PEASE, iii, p. 271, fig. : n. sp.
- Cystiscus*, n. gen. for *C. capensis*, n. sp., Cape of Good Hope; STIMPSON, i, p. 55. [Renamed *Marginella cystiscus*; REDFIELD, vi, App. p. 230.]
- †*Dactylus idoneus*, *eboreus*, figd.; CONRAD, iii, p. 261.
- †*Liroscapha*, n. gen. for *L. squamosa*, n. sp., New Jersey, Cretaceous; CONRAD, v, p. 100, fig.
- Marginellidæ*, critical review of Reeve's monograph in Conch. Icon., with figure of *M. vexillum*, Redf.; REDFIELD, v, p. 88: Notes on recent and fossil forms; REDFIELD, vi, p. 2: Catalogue of known species, recent and fossil; REDFIELD, vi, App. pp. 215-269: Notes on several species; REDFIELD, vi, p. 172: †*M. contracta*, n. n. for *M. constricta*, Emmons, Miocene, nom. preocc.; CONRAD, vi, p. 78: *M. debilis*, n. n. for *oryza*, Pease; PEASE, vii, p. 22: *M. cystiscus*, n. n. for *Cystiscus*

- capensis*, Stimpson, p. 230, *elliptica*, n. n. for *Volutella elongata*, Pease, p. 232, *labrosa*, n. n. for *M. crassilabrum*, Sby., p. 239, *morchii*, n. n. for *Gibberula coniformis*, Morch, p. 244, *ornata*, n. n. for *vittata*, Reeve, p. 246, *pumila*, n. n. for *Volvaria pusilla*, H. Ad., p. 252, *translata*, n. n. for *pyriformis*, Pease, p. 259, *contracta* (Conrad), n. n. for *constricta*, Emmons, p. 262, *subgracilis*, n. n. for *gracilis*, Edwards, *subinflexa*, n. n. for *inflexa*, Emmons, p. 267; REDFIELD, vi, App.
- Marginella polita*, Tarawa I., *pacifica*, *pyriformis*, p. 280, *paumotensis*, Paumotus, p. 281; PEASE, iii, figg.: *M. calculus*, West Indies; REDFIELD, vi, p. 173 : n. spp.
- Mauritia*, A. Ad., is a synonym of *Mitroidea*; PEASE, vii, p. 23.
- Mitra ericea*, Pease, = *M. turgida*, Rve., *M. lubrica*, n. n. for *M. glabra*, Pease; PEASE, v, p. 85.
- Mitra williamsi*, Philippine Is. (?); NEWCOMB, v, p. 163, fig.: *M. assimilis*, Polynesia, p. 211, *flammulata*, p. 212, Hawaiian Is. and Paumotus; PEASE, iii, figg.: *M. sectilis*, Hawaii, p. 271, *glabra*, fig., Ascension, p. 272; PEASE, iii: *M. newcombi*, Oahu; PEASE, v, p. 69: *M. haleanus*, Mississippi, figd., *biconica*, p. 263, Alabama, Eocene; WHITFIELD, i : n. spp.
- Mitropsis*, n. gen. for *M. fusiformis*, n. sp., Paumotus; PEASE, iii, p. 212, fig.
- +*Monotypyga curta*, Eocene, Alabama; CONRAD, i, p. 143: *M. leai*, Eocene, Mississippi; WHITFIELD, i, p. 261, fig. : n. spp.
- Olivella (Callianax) simplex*, Paumotus; PEASE, iii, p. 281, fig. : n. sp.
- +*Persicula ovula*, Conrad, note on; CONRAD, vi, p. 78.
- Persicula dubiosa*, Mexico; DALL, vii, p. 103, fig. : n. sp.
- Strigatella brunnea*, Polynesia; PEASE, iii, p. 215, fig. : n. sp.
- Thala alba*, p. 215, *angiotoma*, Paumotus, p. 216; PEASE, iii, figg. : n. spp.
- +*Tortoliva*, n. gen. for *T. texana*, n. sp., Eocene, Texas; CONRAD, i, pp. 143, 211, fig.
- Turricula modesta*, p. 212, Polynesia, (*Costellaria*) *fortiplicata*, (*C.*) *plicatula*, p. 213, (*Pusia*) *nodulosa*, Paumotus, (*P.*) *putillus*, Central Pacific; PEASE, iii, figg. : n. spp.
- +*Voluta newcombiana*, Eocene, Alabama; WHITFIELD, i, p. 263, fig. : n. sp.
- Volutella elongata*, Fanning I.; PEASE, iii, p. 281, fig. : +*V. (Microspira) oviformis*, Miocene, Virginia; CONRAD, iv, p. 66, fig. : n. spp.
- +*Volutilifusus*, n. gen. for *V. typus*, n. sp., Miocene, North Carolina, and others; CONRAD, ii, p. 66, fig.
- +*Volutilithes indenta*, *impressa*, Eocene, Texas; CONRAD, i, pp. 144, 211, figg.: *V. plicifera*, Tertiary, Payta; GABB, v, p. 28 : n. spp.

FASCIOLARIIDÆ, TURBINELLIDÆ, BUCCINIDÆ, NASSIDÆ,
COLUMBELLIDÆ, MURICIDÆ, and CORALLIOPHILIDÆ.

- Amphissa corrugata*, note on; DALL, vii, p. 111.
- Amphissa versicolor*, California; DALL, vii, p. 113, fig. : n. sp.
- Astyris carinata* and its allies; DALL, vii, p. 114.
- Astyris aurantiaca*, California; DALL, vii, p. 115, fig. : n. sp.
- +*Buccinofusus*, n. gen. for *Fusus parilis*, Conrad; CONRAD, iii, p. 264.
- Buccinum fischerianum*, Bering Sea, p. 106, *kennicotti*, Unalashka, p. 108; DALL, vii, figg. : n. spp.
- +*Buccitriton altum*, Eocene, Texas; CONRAD, i, p. 211, fig. : n. sp.
- +*Bullioopsis*, n. subgen. of *Nassa* for *N. quadrata*, Conrad and others; CONRAD, ii, p. 65.
- Busycon*, Bolten, on the genus; CONRAD, iii, p. 183: +Several Miocene spp.

- figd.; CONRAD, iii, p. 265: *B. carica*, Lam., note on; *B. gibbosum*, Cnrd., is a synonym; CONRAD, v, pp. 104, 106.
- +*Busycon alveatum*, Maryland, p. 68, *striatum*, Virginia or Maryland, p. 69, Miocene; CONRAD, ii, figg.: +*B. dumosum*, Miocene, loc. not stated; CONRAD, iii, p. 266, fig.: n. spp.
- Chrysodomus liratus* and *decemcostatus*, notes on; DALL, vii, p. 108.
- Columbella fusiformis*, n. n. for *C. pusilla*, Pease, nom. preocc.; PEASE, iv, p. 122: *C. rosula*, Rve., note on; PEASE, v, p. 82.
- Columbella maculosa*, Australia; PEASE, vii, p. 22: +*C. turricula*, Eocene, Alabama; WHITFIELD, i, p. 261, fig.: n. spp.
- Coralliophila*, note on genus and its species; PEASE, iv, p. 113.
- +*Ecphora*, apparently n. gen. for *Pyrula jauberti*, Grat., and *E. quadricostata* (Say); CONRAD, ii, p. 75.
- Engina*, some spp. figured, etc.; PEASE, iii, p. 273: *E. lineata*, n. var.; PEASE, v, p. 76, fig.
- Engina nodulosa*, Ebon I.; PEASE, v, p. 71: *E. nodicostata*, p. 274, *variabilis*, *striata*, p. 275, *parva*, p. 276, Paumotus; PEASE, iii, figg.: n. spp.
- +*Fasciolaria subtenta*, figd.; CONRAD, vi, p. 314.
- +*Fasciolina*, n. gen. for *Fasciolaria woodii*, Gabb; CONRAD, iii, p. 186.
- Fulgur*, Montfort, on genus and its allies; GILL, iii, p. 141.
- +*Fulgur triseriale*, Eocene, Alabama; WHITFIELD, i, p. 260: n. sp.
- +*Fusus paytensis*, Tertiary, Payta; GABB, v, p. 25: +*F. tortilis*, Eocene, Alabama; WHITFIELD, i, p. 260, fig.: n. spp.
- +*Hercorkyncus*, n. gen. for *Fusus tippiana*, Conrad; CONRAD, iv, p. 247.
- Ilyanassa*, n. gen., type *Nassa obsoleta*, Say; STIMPSON, i, p. 61.
- Latirus nodatus*, Martyn, note on; PEASE, v, p. 83.
- Latirus gibbus*, Howland I., *granulosus*, Paumotus; PEASE, iii, p. 279, figg.: *L. liratus*, Marquesas; PEASE, iv, p. 152: n. spp.
- +*Lirosoma curvirostra* belongs to *Meganema*; CONRAD, iii, p. 267.
- Modulus floridanus*, Florida; CONRAD, v, p. 107.
- Monoceros paucilirata*, California; STEARNS, vii, p. 167, fig.: n. sp.
- Muricida*, notes on family; STIMPSON, i, p. 57: *M. garretti*, n. n. for *M. exiguus*, Garrett, nom. preocc.; PEASE, iv, p. 103: *M. tampeensis*, figd.; CONRAD, v, p. 106.
- Murex foveolatus*, California; PEASE, v, p. 83, fig.: +*M. vanuzemi*, Eocene, Alabama; CONRAD, i, p. 210, fig.: n. spp.
- Nassa tiarula*, Kiener, is a variety of *N. tegula*, Rve.; PEASE, v, p. 83.
- Nassa approximata*, Pacific Is., p. 272, *gracilis*, Ascension, p. 273; PEASE, iii, figg.: *N. nucula*, Carolines, p. 70, *balteata*, Ebon I., p. 71; PEASE, v: +*N. subcylindrica*, Miocene, loc. not stated; CONRAD, ii, p. 66: n. spp.
- Neptuniinae* include *Peristernia* and *Busycon*; STIMPSON, i, p. 59.
- Nitidella elegans*, Panama; DALL, vii, p. 116: n. sp.
- Ocenebra gracillima*, *circumtexta*, California; STEARNS, vii, p. 172, figg.: n. spp.
- +*Paranassa*, n. subgen. of *Ptychosalpinx* for *Buccinum porcinum*, Say, and others; CONRAD, iii, p. 262.
- +*Paranassa granifera*, Miocene, Virginia; CONRAD, iii, p. 263, fig.: n. sp.
- Pisania strigata*, Ponape; PEASE, iv, p. 93, fig.: +*P. claibornensis*, Eocene, Alabama; WHITFIELD, i, p. 259, fig.: n. spp.
- +*Priscocofus*, n. gen. for *P. intermedia* (Melville) and *P. smithii* (Sby.), Eocene of Europe; CONRAD, ii, p. 100.
- +*Pseudoliva elliptica*, Eocene, Mississippi; WHITFIELD, i, p. 260: n. sp.
- Ptychatractus*, n. gen. for *Fasciolaria ligata*, Mighels & Adams, forming also a new family *Ptychatractidae*; STIMPSON, i, p. 59.
- +*Ptychosalpinx*, n. gen., type *Buccinum altile*; CONRAD, iii, p. 153, fig.: Note on; CONRAD, iii, p. 262.

- †*Ptychosalpinx scalaspira*, Miocene, Virginia; CONRAD, iii, p. 263, fig.: n. sp.
Purpura floridana, nebulosa, notes on; CONRAD, iii, p. 270: †*P. choco-latum*, Duclos, note on; GABB, v, p. 26.
Purpura marmorata, Apaian I.; PEASE, iv, p. 92, fig.: n. sp.
Purpurella, n. subgen. of *Purpura* for *P. columellaris*, Lamk.; DALL, vii, p. 110.
†*Pyrifusus*, note on genus; CONRAD, iv, p. 248.
†*Siphonalia*, note on American Miocene species; CONRAD, iv, p. 249.
Sistrum striatum, p. 276, *squamosum*, p. 277, Kingsmill I., *triangulatum*, Hawaii, p. 278; PEASE, iii, figg.: *S. rugulosum*, Howland I.; PEASE, iv, p. 93, fig.: n. spp.
†*Strepsidura lineata*, Eocene, Alabama; CONRAD, i, pp. 142, 210, fig.: n. sp.
†*Sycopsis*, apparently n. subgen. of *Busycon* for *B. carinatum*, Conrad, and others; CONRAD, iii, p. 184.
Sycotypus, Browne, on the genus; CONRAD, iii, p. 182: GILL, iii, p. 147.
†*Sycotypus pyriformis*, Miocene, S. Carolina; CONRAD, iii, pp. 186, 265, fig.: †*S. elongatus*, Miocene, North Carolina; GILL, iii, p. 150, fig.: n. spp.
†*Tortifusus*, n. gen. for *Lirosoma curvirostra*, Conrad; CONRAD, iii, p. 187.
†*Tritiaria*, apparently n. subgen. of *Ptychosalpinx* for *P. peralta*, n. sp., Miocene; CONRAD, iii, p. 264.
Tritonidea australis, Australia; PEASE, vii, p. 21: n. sp.
Tudicla, Link, on the genus; GILL, iii, p. 151.
Urosalpinx, n. gen., type *Fusus cinereus*, Say; STIMPSON, i, p. 58.
Urosalpinx floridana, Florida; CONRAD, v, p. 106, fig.: n. sp.
Volutharpa, note on genus with n. var. of *V. ampullacea*; DALL, vii, p. 104.

TAENIOGLOSSA.

LOTORIIDÆ, CASSIDIDÆ, DOLIIDÆ, CYPRÆIDÆ, STROMBIDÆ,
and APORRHAIIDÆ.

- Alaria, Diarthema*, &c., notes on; GABB, v, p. 19.
Amphiperasidæ, note on family; GILL, vi, p. 183: Catalogue of family; ROBERTS, v, App. pp. 208-214.
Amphiperas semistriata, Ponape; PEASE, iv, p. 96, fig.: n. sp.
†*Anchura*, apparently n. gen. for *Rostellaria dupiniana* and others; CONRAD, ii, p. 102.
Aporrhaidæ, revision of family; GABB, iv, p. 143.
Arrhoges, n. subgen. of *Aporrhais* for *A. occidentalis*, Beek; GABB, iv, p. 145.
†*Bursa centroa*, Miocene, Maryland; CONRAD, iii, p. 264, fig.: n. sp.
†*Ceratosiphon*, n. gen. for *Pterocera moreausiana*, D'Orb., Cretaceous; GILL, v, p. 139.
†*Cyclomolops*, n. gen. for *Rostellaria lævigata*, Mellv.; GABB, iv, p. 142.
Cypræa caput-anguis, Phil., note on, and on animal; PEASE, v, p. 87: *C. polita*, note on; ROBERTS, iv, p. 251.
Cypræa fuscomaculata, candida, Apaian I.; PEASE, iv, p. 95, figg.: *C. polita*, Hawaiian Is.; ROBERTS, iv, p. 70, fig.: *C. annæ*, Hawaiian Is., *helenæ*, hab. query; ROBERTS, iv, p. 250, figg.: n. spp.
†*Dicroloma*, n. gen. for *Pterocera lorieri*, D'Orb.; GABB, iv, p. 146.
†*Doliopsis quinquecosta*, Eocene, Mississippi; CONRAD, i, p. 141, fig.: n. sp.
†*Ficus holmesii*, Miocene, S. Carolina; CONRAD, iii, p. 186: n. sp.
Gaskoinia, n. gen. of *Cypræidæ* for *C. edentula*, Sby.; ROBERTS, v, App. p. 201.

- †*Gonocheila*, apparently n. subgen. of *Aporrhais* for *A. liratus*, Conrad; GABB, iv, p. 144.
- †*Gymnarus*, apparently n. subgen. of *Pugnellus* for *P. manubriatus*, Gabb; GABB, iv, p. 139.
- †*Harpagodes*, n. gen. for *Pterocera pelagi*, D'Orb., Cretaceous; GILL, v, p. 138.
- †*Helicaulax*, n. gen. for *Rostellaria ornata*, D'Orb.; GABB, iv, p. 145.
- †*Loxotrema*, n. gen. for *L. turrita*, n. sp. [not described]; GABB, iv, p. 147.
- Pedicularia japonica*, Japan; DALL, vii, p. 121, fig.: *P. pacifica*, Apaian I.; PEASE, iv, p. 96, fig.: n. spp.
- †*Phyllocheilus*, n. subgen. of *Pterocera* for *P. speciosa*, D'Orb.; GABB, iv, p. 140.
- Porcellanidae*, catalogue of family; ROBERTS, v, App. pp. 189-208.
- Pterocera*, the genus and its allies; GILL, v, p. 120.
- †*Pyrrula juvenis*, Eocene, Alabama; WHITFIELD, i, p. 259: n. sp.
- Semicassis celata*, figd.; CONRAD, iii, p. 259.
- Simnia*, Risso, is identical with *Amphiperas*, Gronovius; ANON., i, p. 94.
- Strombidae*, revision of family; GABB, iv, p. 138.
- Triton cylindricus*, Tahiti; PEASE, iv, p. 94, fig.: *T. intermedius*, Oahu; PEASE, v, p. 74: n. spp.
- †*Tritonium pernodosum*, Tertiary, Payta; GABB, v, p. 26: n. sp.
- Trivia californica*, animal; DALL, vii, p. 122: *T. gaskoinii*, n. n. for *Cyp. sulcata*, Gaskoin nec Dillwyn; ROBERTS, v, App. p. 206.
- Trivia corrugata*, Paumotus; PEASE, iv, p. 95, fig.: n. sp.

CERITHIIDÆ, PLANAXIDÆ, TRICHOTROPIDÆ, and TURRITELLIDÆ.

- Cerithium alveolus*, Jacq., *nassoides*, Sby., are respectively synonyms of *piperitum*, Sby., and *maculosum*, Migh.; PEASE, v, p. 85.
- Cerithium tuberculiferum* [= *C. adansonii*, Rve. nec Brug.], p. 76, *sculptum*, fig., *cylindraceum*, p. 77, Paumotus; PEASE, v: †*C. leviusculum*, Tertiary, Payta; GABB, v, p. 27: †*C. vinctum*, Eocene, Mississippi; WHITFIELD, i, p. 265, fig.: n. spp.
- Fastigiella squamulosa*, Paumotus; PEASE, iii, p. 290, fig.: n. sp.
- Iphinos permabilis*, Bering Sea; DALL, vii, p. 119: n. sp.
- †*Isaea*, n. gen. for *Mesalia ortonii*, Gabb, and *I. lineata*, n. sp., Tertiary, Upper Amazon; CONRAD, vi, p. 193, fig.
- Mesalia*, notes on N.W. American species; DALL, pp. 117-119.
- †*Mesalia* (?) *arenicola*, Eocene, Mississippi; CONRAD, i, p. 141, fig.: †*M. ortonii*, Post Tertiary, Amazon; GABB, iv, p. 198, fig.: n. spp.
- Planaxis abbreviata*, Pease, figd.; PEASE, iv, p. 101.
- Planaxis fuscata*, Paumotus; PEASE, iv, p. 102, fig.: *P. atra*, Marquesas; PEASE, v, p. 72: n. spp.
- †*Potamides alabamiensis*, Eocene, Alabama; WHITFIELD, i, p. 266, fig.: n. sp.
- Proto cornelliana*, Honolulu; NEWCOMB, v, p. 164, fig.: n. sp.
- Trichotropis (bicarinata* var. ?) *alta*, *spectabilis*, E. Siberia; DALL, vii, p. 120: n. spp.
- Triphoris bicolor*, n. n. for *T. alternatus*, Pease, nom. preocc.; PEASE, iv, p. 127: *T. peasei*, n. n. for *T. gracilis*, Pease; TRYON, vii, p. 206.
- †*Turritella bipertita*, *indenta*, figd.; CONRAD, iii, p. 258.
- †*Turritella perditia*, Eocene, Mississippi; CONRAD, i, p. 141, fig.: †*T. cochleiformis*, Tertiary, Payta; GABB, v, p. 29: †*T. eurynome*, *multilira*, p. 266, *alabamiensis*, p. 267, Eocene, Alabama; WHITFIELD, i: n. spp.

MELANIIDÆ, PLEUROCERIDÆ, LITTORINIDÆ, FOSSARIDÆ,
and SOLARIIDÆ.

- Anculosa pumila*, Alabama; CONRAD, ii, p. 278, fig.: *A. tryoni*, Holston River; LEWIS, vi, p. 221, fig. [is a synonym of *A. tenuata*, Conrad; TRYON, vii, p. 87]: n. spp.
- Angitrema wheatleyi*, Tennessee; TRYON, ii, p. 4, fig.: n. sp.
- †*Architectonica trilineata*, nupera, figd.; CONRAD, iii, p. 260.
- †*Architectonica celatura*, Eocene, Alabama; CONRAD, i, p. 144, fig.: n. sp.
- Doryssa lamarckiana*, n. n. for *Melania atra*, Reeve; BROT, vi, App. p. 305.
- †*Dyris*, n. gen. for *D. gracilis*, n. sp., Tertiary, Upper Amazon; CONRAD, vi, p. 195, fig.
- †*Ebora*, n. gen. for *E. crassilabra*, *bella*, n. spp., Tertiary; Upper Amazon; CONRAD, vi, p. 194, fig.
- Eurycælon levis*, Georgia; TRYON, ii, p. 5, fig.: n. sp.
- Fossar garrettii*, n. n. for *Adeorbis costata*, Garrett, nom. preocc.; PEASE, iv, p. 128.
- Goniobasis*, review of California and Oregon species, with *G. circumlineata*, n. sp. (p. 244), from former; TRYON, i, pp. 236-246.
- Goniobasis translucens*, Canada, *interlineata*, Indiana; ANTHONY, i, p. 36, figg.: *G. cingenda*, North Carolina; ANTHONY, ii, p. 146, fig.: *G. graminea*, hab. incert., *catabeæ*, North Carolina; HALDEMAN, i, p. 37, figg.: *G. haldemani*, Lakes Erie and Champlain; TRYON, i, p. 38, fig.: *G. undulata*, Georgia; TRYON, ii, p. 5, fig.: †*G. carterii*, probably Tertiary, Colorado; CONRAD, iv, p. 280, fig.: n. spp.
- Hemisinus pazi*, p. 300, *simplex*, p. 301, Quito; TRYON, ii, figg.: *H. binneyi*, New Granada; TRYON, ii, p. 8, fig.: †*H. sulcatus*, Tertiary, Upper Amazon; CONRAD, vi, p. 194, fig.: n. spp.
- Io*, notes on the genus, with list of species; TRYON, i, p. 41.
- Leptoxis* is a good generic name; HALDEMAN, i, p. 298.
- †*Liris*, n. gen. for *L. laqueata*, n. sp., Tertiary, Upper Amazon; CONRAD, vi, p. 194, fig.
- Littorina cinerea*, Marquesas; PEASE, v, p. 78, fig.: †*L. laqueata*, Tertiary, Payta; GABB, v, p. 28: n. spp.
- Melaniidæ*, catalogue of known forms, with *M. infumata*, n. n. for *fuscata*, Desh., p. 285, *arthurii*, n. n. for *speciosa*, Morel., p. 290; BROT, vi, App.
- Melania gloriosa*, Pegu; ANTHONY, i, p. 207, fig.: *M. setigera*, Philippines; BROT, vi, App. p. 300: *M. kauaiensis*, *contigua*, Kauai; PEASE, vi, p. 7, first figd.: *M. retifera*, Japan, *brunnescens*, Philippines, p. 216, *unicolor*, Tahiti, *millepunctata*, River Amazon, p. 217; TRYON, i, figg.: *M. premordica*, Burmah; TRYON, ii, p. 111, fig.: *M. minuta*, Tahiti, *oualanensis* (Pease), Oualan I., p. 299, *peaset*, Fiji, p. 300; TRYON, ii, figg.: †*M. decursa*, Tertiary, Colorado; CONRAD, vi, p. 200, fig.: n. spp.
- Melantho*, notes on species and their variation; LEWIS, iv, p. 133: Note on genus and some species; LEWIS, v, p. 33: *M. gibba* is a variety of *M. rufa*; LEWIS, iv, p. 82.
- Melantho decampi* (Currier), Alabama; BINNEY, i, p. 50, fig.: *M. gibba*, Michigan; CURRIER, iii, p. 112, fig.: n. spp.
- †*Nesis*, n. subgen. of *Ebora* for *E. bella*, n. sp.; CONRAD, vi, p. 194.
- Pleurocera conradi*, Tennessee and Alabama; TRYON, i, p. 39, fig.: *P. bicinctum*, Alabama; TRYON, ii, p. 4, fig.: n. spp.
- Strepomatidæ*, classification of the family; TRYON, i, pp. 97-135: *Radula*; TRYON (210): Monograph of the family; TRYON (201): On the operculum; HARTMAN, vi, p. 316.

Torinia, notes on species of, and on animal; PEASE, v, p. 80.

Torinia discoidea, Pease, Paumotus; PEASE, iv, p. 102, fig.: *T. sulcifera*, Kauai; PEASE, v, p. 79 : n. spp.

RISSOIIDÆ, HYDROBIIDÆ, VIVIPARIDÆ, VALVATIDÆ, and ASSIMINEIDÆ.

Alvania purpurea, California; DALL, vii, p. 116 : n. sp.

Amnicola grana, Say, note on; TRYON, v, p. 193: *A. schröckingeri*, Frauenfeld, equals *A. limosa*, Say; TRYON, iii, p. 101.

Amnicola turbiniiformis, California and Oregon, *similis*, Philippines; TRYON, i, p. 219, figg. : n. spp.

Assiminea vitiensis, Viti Is.; GARRETT, vii, p. 225, fig. : n. sp.

Cochliopa, n. gen. type *Amnicola rowellii*, Tryon; STIMPSON, i, p. 52.

Fluminicola, n. gen. type *Paludina nuttalliana*, Lea; STIMPSON, i, p. 53.

Gabbia, n. gen. for *G. australis*, n. sp., New South Wales; TRYON, i, p. 220, fig.

Gillia, n. gen. type *Melania altilis*, Lea; STIMPSON, i, p. 53.

Hydrobia californica, California, p. 221, *glabra*, Bolivia, p. 222; TRYON, i, figg. : n. spp.

Paludina polita, Martens, probably equals *Vivipara sublineata*, Conrad; TRYON, ii, p. 166: *P. bimonilifera* and *magnifica*, note on priority; TRYON, v, p. 3.

Paludinella vitiana, Viti Is.; GARRETT, vii, p. 224, fig. : n. sp.

Pomatiopsis intermedia, Oregon; TRYON, i, p. 220, fig. : n. sp.

Potamopyrgus, n. gen. type *Amnicola corolla*, Gould; STIMPSON, i, p. 53.

†*Pyrgula scalariformis*, Post-Pliocene, Illinois River; WOLF, v, p. 198 fig. : n. sp.

Rissoa semicostata, p. 296, *flammea*, p. 297, Caroline Is.; PEASE, iii, figg. : *R. cooperi*, California; TRYON, i, p. 222, fig. : *R. exilis*, California; TRYON, ii, p. 12, fig. : n. spp.

Rissoina angasi, n. n. for *turricula*, Angas nec Pease; PEASE, vii, p. 20.

Rissoina costulata, *tenuistriata*, p. 295, *striatula*, p. 296, Paumotus; PEASE, iii, figg. : *R. balteata*, Hawaii; PEASE, v, p. 72 : n. spp.

Somatogyrrus aureus, p. 220, *parvulus*, p. 221, Tennessee; TRYON, i, figg. : n. spp.

Tryonia, n. gen. type *T. clathrata*, n. sp., Colorado Desert; STIMPSON, i, p. 54.

Valvata jelskii, Crosse, is a young *Lithoglyphus*; MÖRCH, iii, p. 106.

Vivipara haldemaniana, Shuttlw., equals *V. lineata*, Val.; TRYON, i, p. 374: *V. genuiculus*, Conrad figd.; CONRAD, ii, p. 278, fig.

Vivipara inornata, Mexico; BINNEY, i, p. 49, fig. : *V. suprafasciata*, Australia; TRYON, ii, p. 8, fig. : *V. waltonii*, Florida; TRYON, ii, p. 108, fig. : n. spp.

CYCLOPHORIDÆ and CYCLOSTOMATIDÆ.

Chondropoma navassense, Navassa I.; TRYON, ii, p. 305, fig. : n. sp.

Cyclophorus leai, Tryon, is distinct from *C. foliaceus*, Chemnitz; TRYON, vi, p. 25.

Cyclophorus (?) *scalariformis*, Hervey Is.; PEASE, i, p. 289 [generic name *Pupoidea* proposed on p. 290], ii, p. 82, fig. : n. sp.

Cyclostomacea, notes on the jaw in several genera; BLAND, i, p. 45.

Cyclostoma (?) *leai*, Andaman Is.; TRYON, v, p. 111, fig. : n. sp.

Diadema, n. gen. for *Pterocyclos* (?) *parva*, Pease; PEASE, iv, p. 157.

- Diadema rotella*, Atiu; PEASE, iv, p. 158, fig. : n. sp.
Hyalopsis, n. gen. for *H. tumida*, n. sp., Solomon Is.; PEASE, vii, p. 27, fig.
Megalomastoma bituberculatum, jaw and radula of; BINNEY & BLAND, vi,
 p. 213.
Omphalotropis nebulosa, Solomons; PEASE, vii, p. 197: n. sp.
Pterocyclos (?) *parva*, Hervey Is.; PEASE, i, p. 290, ii, p. 82, fig. : n. sp.
Pupodea, n. gen. for *Cyclophorus* (?) *scalariformis*, Pease; PEASE, i, p. 290:
 Is a synonym of *Palaina*, Semper; TRYON, iii, p. 104.
Realia ochrostoma, p. 287, *variabilis*, Hervey Is., *scalariformis*, Oualan I.,
affinis, Hervey Is., p. 288, *laevis*, Oualan I., p. 289; PEASE, i: *R.*
costata, Tahaa, *elongata*, Raiatea; PEASE, iii, p. 225 : n. spp.

TRUNCATELLIDÆ.

- Blandiella*, n. gen. for *B. reclusa*, n. sp., Trinidad; GUPPY, vi, p. 309, fig. :
B. reclusa, radula; BLAND & BINNEY, vii, p. 185.
Geomelania, radula; BLAND & BINNEY, vii, p. 185.
Tahetia pallida, Tahiti and Huahine Is.; PEASE, iii, p. 229: n. sp.
Truncatella granum, Viti Is.; GARRETT, vii, p. 225: *T. pacifica*, Oualan
 I.; PEASE, iii, p. 230, fig. : n. spp.

CAPULIDÆ, XENOPHORIDÆ, NARICIDÆ, LAMELLARIIDÆ,
and NATICIDÆ.

- Amauropsis purpurea*, Alaska; DALL, vii, p. 124, fig. : n. sp.
 †*Ampullina ortonii*, Tertiary, Payta; GABB, v, p. 27: n. sp.
Capulus shreevei, S. Carolina; CONRAD, v, p. 105, fig. [is a tooth of *Pholas*,
 p. 227, vi, p. 71]: *C. liberatus*, Paumotus; PEASE, iii, p. 284, fig. :
 n. spp.
 †*Catinus*, note on *C. bilix*, Conrad, and *arctatus* (Conrad); CONRAD, vi,
 p. 314.
 †*Crepidula rostrata*, p. 77, *virginica*, Miocene, Virginia, *recurvirostra*,
 North Carolina (?), p. 78; CONRAD, vi.
 †*Gyrodont obtusivolva*, Gabb, appears a *Lunatia*, with figure; CONRAD, v,
 p. 45.
 †*Lacunaria*, n. gen. for *Natica alabamiensis*, Whitfield; CONRAD, ii, p. 77.
Lamellaria stearnsii, *orbiculata*, *rhombea*, California; DALL, vii, p. 122,
 figg. : n. spp.
 †*Leptonotis*, n. gen. for *Velutina expansa*, Whitfield; CONRAD, ii, p. 76.
 †*Lunatia marylandica*, Eocene, apparently Maryland; CONRAD, i, p. 211,
 fig. : †*L. hemocrypta*, Miocene, N. America; CONRAD, iv, p. 66, fig. :
 n. spp.
Natica delicata, Paumotus; PEASE, iii, p. 282, fig. : *N. granifera*, Jarvis
 I.; PEASE, v, p. 78, fig. : n. spp.
 * †*Natica plicatella*, n. n. for *N. canrena*, Conrad nec Lamk.; CONRAD, iii,
 p. 259.
 †*Natica erecta*, figd., *perspecta*, *reversa*, (*Polinices*) *onusta*, p. 264, (*Gyrodont*)
alabamiensis, figd., (*G.*) *aperta*, p. 265, Eocene, Alabama; WHITFIELD,
 i : n. spp.
 †*Neverita emmonsii*, *densata*, Miocene, N. Carolina; CONRAD, iii, p. 259,
 figg. : n. spp.
 †*Onustus annosus*, Eocene, New Jersey; CONRAD, v, p. 42, fig. : n. sp.
Velutina, species from N. W. America; DALL, vii, p. 123.
 †*Velutina* (*Otina*) *expansa*, Eocene, Alabama; WHITFIELD, i, p. 265, fig. :
 n. sp.

PTENOGLOSSA.

SCALIDÆ.

- †*Acteonema*, n. gen. for *Pasithea striata*, Lea; CONRAD, i, p. 147.
 †*Acteonema prisca*, Eocene, New Jersey; CONRAD, i, p. 213, fig.: n. sp.
 †*Cirsostrema claibornensis*, Eocene, Alabama; CONRAD, i, p. 211, fig.: n. sp.
Scalaria umbilicata, Oahu; PEASE, v, p. 76: *S. perplexa*, p. 288, *decussata*, Hawaii, *paumotensis*, *crispata*, Paumotus, p. 289, *crenulata*, *symmetrica*, p. 290, Tahiti; PEASE, iii, figg.: n. spp.
 †*Sihenorytis*, apparently n. subgen. of *Scalaria* for *S. pachypleura*, Conrad; CONRAD, iii, p. 259.

GYMNOGLOSSA.

EULIMIDÆ and PYRAMIDELLIDÆ.

- Eulima venusta*, Tahiti, *exilis*, *inflexa*, Paumotus; PEASE, iii, p. 294, figg.: *E. subpellucida*, Tahiti; PEASE, iv, p. 94: †*E. cretacea*, New Jersey, Cretaceous; CONRAD, v, p. 100, fig.: n. spp.
Mucronalia gracilis, Tahiti; PEASE, iii, p. 295, fig.: n. sp.
 †*Obeliscus perezilis*, Eocene without locality; CONRAD, i, pp. 144, 211, fig.: n. sp.
Odostomia beringi, Alaska; DALL, vii, p. 117: *O. striata*, Paumotus, *polita*, Tahiti, *rubra*, p. 291, *rosacea*, Paumotus, *gracilis*, Hawaii, *debilis*, Howland I., p. 292; PEASE, iii, figg.: n. spp.
Stylifer deformis, Paumotus; PEASE, iii, p. 293, fig.: n. sp.
Turbonilla elongata, Paumotus; PEASE, iii, p. 293, fig.: †*T. minuscula*, Post Tertiary, Amazon; GABB, iv, p. 197, fig.: n. spp.

SCUTIBRANCHIATA.

RIPHIDOGLOSSA.

HELICINIDÆ.

- Helicina orbiculata*, radula of; BINNEY & BLAND, vi, p. 214: *H. occulta*, radula; BLAND & BINNEY, vii, p. 29: *H. maugeria*, Gray, n. var.; PEASE, iii, p. 227.
Helicina pacifica, Oualan I.; PEASE, i, p. 291, ii, p. 82, fig.: *H. discoidea*, Tahaa, *oceanica*, Kingsmill Is., p. 226, *flavescens*, Mangaia, p. 228, fig., *zigzag*, Oualan I., p. 229, fig.; PEASE, iii: *H. colorata*, I. Annaa, *parvula*, Atiu, p. 156, *rugulosa*, Tahaa, p. 157; PEASE, iv, figg.: *H. circumlineata*, Navassa I.; TRYON, ii, p. 305, fig. [is a *Trochatella*; iii, p. 207]: n. spp.
Stoastoma pisum, radula; BLAND & BINNEY, vii, p. 184.

NERITIDÆ, NERITOPSIDÆ, TURBINIDÆ, and TROCHIDÆ.

- Alicyna lineata*, Oahu, p. 69, *striata*, Hawaii, p. 70; PEASE, v: n. spp.
Calliostoma affinis, Japan, *palmeri*, Mexico, p. 125, figg., *gloriosum*, p. 127, California; DALL, vii: n. spp.
Collonia picta, Paumotus, p. 91, *granulosa*, Ponape, p. 92; PEASE, iv, figg.: n. spp.

- Euchelus maculosa*, Pease, is a *Collonia*; PEASE, iv, p. 91.
Euchelus angulatus, I. Annaa; PEASE, iii, p. 283, fig.: n. sp.
Gibbula canfieldi, California; DALL, vii, p. 129: n. sp.
Leptothyra (Cptr. MS.), n. n. for *Leptonyx*, Cptr. & Ad. nec Swainson, with *L. paucicostata*, n. sp., fig., California; DALL, vii, p. 130.
Leptothyra costata, Maui; PEASE, v, p. 70: n. sp.
Margarita pupilla, *lirulata*, notes on; DALL, vii, pp. 127 & 128: *M. angulata*, A. Ad., is distinct from *Trochus tantillus*, Gld.; PEASE, v, p. 86.
Navicella picturata, Viti Is.; GARRETT, vii, p. 224, fig.: n. sp.
Nerita maculata, Tahiti; PEASE, iii, p. 286, fig.: n. sp.
Neritina deshayesii, n. n. for *N. sandwichensis*, Deshayes nec Philippi; PEASE, iv, p. 130.
Neritina holosericea, Viti Is.; GARRETT, vii, p. 219, fig.: *N. dispar*, Rarotonga, *rudis*, Ponape, *rubida*, Tahiti; PEASE, iii, p. 285, figg.: *N. ortonii*, Tertiary, Upper Amazon; CONRAD, vi, p. 195, fig.: n. spp.
Neritopsis interlirata, I. of Annaa; PEASE, iii, p. 282, fig.: n. sp.
Omphalius turbinatus, California; PEASE, v, p. 84, fig.: n. sp.
Operculatum aurantium, Hawaii; PEASE, iii, p. 287: n. sp.
Pachypoma gibberosum, animal; DALL, vii, p. 130.
Pachypoma virescens, Tarawa I.; PEASE, v, p. 73: n. sp.
Trochus byronianus, Gray, note on; PEASE, v, p. 82.
Trochus exilis, p. 286, *conoidalis*, *marmoreus*, p. 287, *Paumotus*; PEASE, iii, figg.: n. spp.
Turbo macandrewii, n. n. for *T. celatus*, Adams nec L.; MÖRCH, iv, p. 46.
†*Turbo* (?) *regius*, *elevatus*, Nevada, Jurassic; GABB, v, p. 9, figg.: n. spp.
†*Zizyphinus punctatus*, Virginia (?), p. 257, *briani*, Maryland, p. 258, Miocene; CONRAD, iii, figg.: n. spp.

HALIOTIDÆ, PLEUROTOMARIIDÆ, and FISSURELLIDÆ.

- Emarginula clathrata*, Howland I.; PEASE, iv, p. 99, fig.: n. sp.
Fissurella volcano, animal and radula; DALL, vii, p. 134.
Fissurellidæa bimaculata, California; DALL, vii, p. 132, fig.: n. sp.
Gena lævis, Tahiti, p. 283, *rosacea*, *Paumotus*, p. 284; PEASE, iii, figg.: n. spp.
Leucapina crenulata, animal and radula; DALL, vii, p. 131.
†*Pleurotomaria perlata*, Eocene, New Jersey; CONRAD, i, p. 213, fig.: n. sp.
Scutellina compressa, Tahiti, p. 99, *granocostata*, *aculeata*, Hawaii, p. 100; PEASE, iv, first figd.: n. spp.

DOCOGLOSSA.

ACMÆIDÆ, PATELLIDÆ, and LEPETIDÆ.

Study of the Order; DALL (93).

- Acmaeidæ* of Vancouver and Californian Province; CARPENTER, ii, pp. 332–343: *A. patina*, *pelta*, n. vars.; DALL, vi, pp. 247 & 248.
Acmaea (*Collisella*) *sybaritica*, p. 257, Bering Sea, *hieroglyphica*, p. 258, China; DALL, vi, figg.: n. spp.
Ancistromesus, n. gen. for *Patella mexicana*, Brod. & Sby.; DALL, vi, p. 266.
Collisella, n. subgen. of *Acmaea* for *A. pelta*, Esch., and others; DALL, vi, p. 245.

- Cryptobranchia alba*, E. Siberia, *C. (?) instabilis*, Sitka; DALL, v, p. 140, figg. : n. spp.
Helcioniscus, n. subgen. of *Helcion* for *Patella variegata*, Rve.; DALL, vi, p. 277.
Lepetidae, review of family with anatomy; DALL, v, p. 140.
†*Metoptoma*, note on genus; DALL, vi, p. 281.
Patella exarata, notes on; PEASE, vii, p. 198.
Patinella, n. gen., type *Patella magellanica*, Gmel.; DALL, vi, p. 272.
PROTEOBRANCHIATA, n. suborder of *Docoglossa* for *Acmaeidae* and *Patellidae*; DALL, vi, p. 236.
Tectura tahitiensis, Tahiti, *conoidalis*, Rarotonga; PEASE, iv, p. 98, figg. : n. spp.

III. SCAPHOPODA.

- †*Dentalium densatum*, Eocene, loc. not stated; CONRAD, i, p. 212, fig. : †*D. falcatum*, Cretaceous, New Jersey; CONRAD, v, p. 44, fig. : n. spp.
†*Falcula*, n. gen. for *Dentalium hamatus* [? err. pro *falcatum*], Conrad; CONRAD, vi, p. 77.
†*Gadus*, note on genus; CONRAD, ii, p. 75.
†*Gadus obrutus* [obnutus, err. typ.], New Jersey, Cretaceous; CONRAD, v, p. 101, fig. : n. sp.
Helonyx, n. gen., type *Dentalium clavatum*, Gould, with notes on some fossil species; STIMPSON, i, p. 63.

IV. PELECYPODA.

EULAMELLIBRANCHIATA.

ANATINACEA.

- Anatinidae*, catalogue of; CONRAD, iv, App. p. 50.
Entodesma diaphana, note on; DALL, vii, p. 143.
Entodesma scammoni, British Columbia; DALL, vii, p. 142, fig. : n. sp.
†*Goniomya aperta*, Jurassic, Nevada; GABB, v, p. 11, fig. : n. sp.
†*Leptomya*, n. gen. for *Periploma applicata*, Conrad, Cretaceous; CONRAD, iii, p. 15 [renamed *Periplomya*, q.v.].
†*Myacites depressus*, Meek, note on; GABB, v, p. 11.
†*Pandorella*, Conrad, is a synonym of *Pandora*; CONRAD, iii, p. 269.
Pandoridae, catalogue of; CARPENTER, iv, p. 69.
Periploma papyratia, figd.; CONRAD, ii, pp. 70, 281 : *P. fragilis*, Totten, and *P. papyratia*, Say, are distinct; CONRAD, ii, p. 106.
†*Periploma alta*, Miocene, New Jersey; CONRAD, ii, p. 70, fig. [renamed *P. peralta*; CONRAD, iii, p. 188]: n. sp.
†*Periplomya*, n. n. for *Leptomya*, Conrad nec Adams; CONRAD, vi, p. 76.
†*Pholadomya multilineata*, *nevadana*, Jurassic, Nevada; GABB, v, p. 10, figg. : n. spp.
†*Promacrus*, n. subgen. of *Sanguinolites* for *S. nasutus*, n. sp.; MEEK, vii, p. 4.
†*Sanguinolites* (*Promacrus*, n. subgen.) *nasutus*, (*P.*) *missouriensis*, Swallow MS., Missouri, p. 6, *P. andrewsi*, Ohio, p. 7, Palæozoic; MEEK, vii, figg. : n. spp.

PHOLADACEA.

- Cyrtopleura exilis*, St Kitts, W. I.; TRYON, v, p. 170, fig.: n. sp.
 †*Dactylina chilensis*, note on; GABB, v, p. 29.
 †*Martesia* (?) *roessleri*, Palæozoic, Texas; MEEK, vii, p. 9, fig.: n. sp.
Navea newcombi, Australia [corr. to California, p. 285]; TRYON, i, p. 39, fig.: n. sp.
Penitella parva, Lower California, p. 39, *curvata*, Straits of Fuca, p. 40; TRYON, i, figg.: n. spp.
Pholadacea, catalogue of species; TRYON, iii, App. p. 1.
Teredo affinis and *brevis*, both of Deshayes, are (*fide* Jeffreys) respectively synonyms of *T. excavata*, Lukis, and *cucullata*, Norman; TRYON, i, p. 182.

MYACEA and CARDIACEA.

- †*Anisothyris*, n. n. for *Pachydon*, Gabb; CONRAD, vi, p. 196: Is a subgenus of *Corbula*; DALL, vii, p. 89.
 †*Arcinella cornuta*, n. n. for *Chama arcinella*, Tuomey & Holmes *nec* Lamarck, Pliocene, S. Carolina; CONRAD, ii, p. 105.
Azara undata, Rio de la Plata; CONRAD, ii, p. 280, fig.: n. sp.
Cardiide, catalogue of, with *C. adamsi*, p. 267, n. n. for *C. modestum*, Ad. & Rve.; TRYON, vii, pp. 259-275: *C. nuttallii*, Cnrd., is distinct from *C. corbis*, Meusch.; CONRAD, v, p. 105: †*C. emmonsii* and *carolinensis*, n. n. for *C. muricatum*, Emmons, also Tuomey & Holmes respectively, preocc.; CONRAD, iii, p. 13.
 †*Cardium ripleyanum*, New Jersey, Cretaceous; CONRAD, v, p. 96, fig.: †*C. (Criocardium*, n. subgen.) *dumosum*, Cretaceous, New Jersey; CONRAD, vi, p. 75: †*C. arcæformis*, Jurassic, Nevada; GABB, v, p. 11, fig.: †*C. (Lævicardium) pertenu*, Tertiary, Payta; GABB, v, p. 30: n. spp.
Chama inermis, W. Central America; DALL, vii, p. 148: n. sp.
Corbulide, catalogue of; TRYON, iv, App. p. 63: *C. contracta*, Say, figd.; CONRAD, ii, p. 280; *C. adamsi*, n. n. for *C. rostrata*, Adams *nec* Broderip & Sowerby; TRYON, iv, App. p. 66: †*C. aliformis*, n. n. for *C. alta*, Conrad, *pars*; CONRAD, ii, p. 76.
 †*Corbula filosa*, Eocene, Mississippi; CONRAD, i, p. 137, fig.: †*C. filosa*, Eocene, Mississippi; CONRAD, i, pp. 145, 212, fig.: †*C. curta*, Miocene, Maryland; CONRAD, iii, p. 269, fig.: †*C. (Anisothyris?) ledæformis*, Pliocene, Upper Amazon; DALL, vii, p. 92, fig.: n. spp.
 †*Criocardium*, n. subgen. for *Cardium dumosum*, n. sp.; CONRAD, vi, p. 75.
 †*Leptosolen*, n. gen. for *Siliquaria bicipitata*, Conrad, Cretaceous; CONRAD, iii, p. 15: Note on genus; CONRAD, iii, p. 188.
Lutraria costata, Senegal; TRYON, v, p. 171, fig.: n. sp.
Macha wilsonii, China; TRYON, vi, p. 23, fig.: n. sp.
Mesopleura, n. gen. of *Solenide* for *Solen bidentatus*, Spengl.; CONRAD, iii, App. p. 23.
Myide, catalogue of; TRYON, iv, App. p. 62.
 †*Pachycardium*, n. gen. for *P. spillmani*, Conrad, Cretaceous; CONRAD, v, pp. 96, 227.
 †*Pachydon*, n. gen. for *P. obliqua*, *tenua*, n. spp., Post Tertiary, Amazon; GABB, iv, p. 198, figg.: Notes on; CONRAD, vi, pp. 196, 197.
 †*Pachydon carinatus*, p. 196, *erectum*, *cuneatus*, *ovatus*, *altus*, p. 197, Tertiary, Upper Amazon; CONRAD, vi, figg.: n. spp.
 †*Plectosolen*, n. gen. for *Solen gracilis*, Sby., and others; CONRAD, ii, p. 103.

- +*Prothyris elegans*, Nebraska and Illinois, Carboniferous; MEEK, vii, p. 8, fig.: n. sp.
 +*Protocardia lima*, Eocene, Mississippi; CONRAD, i, p. 139, fig.: +*P. curta*, Eocene, New Jersey; CONRAD, v, p. 42, fig.: n. spp.
Saxicavida, catalogue of; TRYON, iv, App. p. 59.
 +*Saxicava parilis*, Miocene, New Jersey; CONRAD, ii, p. 70, fig.: +*S. insita*, Miocene, Maryland; CONRAD, v, pp. 40, 101, fig.: n. spp.
Siliqua, West American species; DALL, vii, pp. 140-142.
Siliqua californica, California; CONRAD, iii, p. 193: n. sp.
Siliquaria centralis, (Conrad) Dunker, = *S. gibba*, Spengler; TRYON, v, p. 191.
Solenida, catalogue of species; CONRAD, iii, App. p. 22.
 +*Solyma*, n. gen. for *S. lineolatus*, n. sp., Cretaceous, New Jersey; CONRAD, vi, p. 75.
 +*Vetocardia*, n. n. for *Pseudocardia*, Conrad, nec *Pseudocardium*, Gabb; CONRAD, iv, p. 246.

VENERACEA and TELLINACEA.

- +*Abra nuculiformis*, n. n. for *Amphidesma equalis*, Tuomey & Holmes nec Say; CONRAD, iii, p. 14.
 +*Abra protecta*, Oligocene, Vicksburg; CONRAD, vi, p. 199, fig.: n. sp.
 +*Anona*, n. gen. for *Tellina rufalensis* and *Æ. papyria*, n. sp., Cretaceous, New Jersey; CONRAD, vi, p. 74.
 +*Alveinus*, n. gen. for *A. minuta*, n. sp., Eocene, Mississippi; CONRAD, i, p. 138.
 +*Aphrodina*, n. gen. for *Meretrix tippana*, Conrad; CONRAD, iv, p. 246.
 +*Artena*, n. gen. for *Cytherea staminea*, Conrad; CONRAD, vi, p. 76.
 +*Artena undulata*, Miocene (?), South Carolina; CONRAD, vi, p. 76: n. sp.
 +*Callista densata*, note on; CONRAD, iv, p. 278, fig.
 +*Callista virginiana*, Miocene, Virginia; CONRAD, v, p. 39, fig.: n. sp.
 +*Capsa parilis*, Miocene, Maryland; CONRAD, v, p. 40, fig.: n. sp.
 +*Caryatis*, note on genus; CONRAD, vi, p. 200.
 +*Caryatis plionema*, Virginia or Maryland, Miocene; CONRAD, iv, p. 278, fig.: +*C. delawarensis*, Eocene, New Jersey; CONRAD, v, p. 41, fig.: +*C. exigua*, Eocene, Alabama; CONRAD, vi, p. 201, fig.: n. spp.
Cumingia borealis is distinct from *C. tellinoides*; CONRAD, ii, p. 76.
 +*Cumingia medionalis*, Miocene, Virginia; CONRAD, ii, p. 106: n. sp.
 +*Cyprimeria*, apparently n. gen. for *Arcopagia texana*, Roemer, and others; CONRAD, ii, p. 102: +*C. cretacea*, Conrad = *Dosinia haddonfieldensis*, Lea; CONRAD, v, p. 98.
 +*Cyprimeria spissa*, Cretaceous, New Jersey; CONRAD, v, p. 44, fig.: +*C. peruviana*, Cretaceous, Peru; CONRAD, ii, p. 105, fig.: n. spp.
 +*Cyprinopsis*, n. gen. for *Artemis elliptica*, Smith; CONRAD, v, p. 101.
 +*Cytheropsis*, n. gen. for *Cytherea hydana*, Conrad; CONRAD, i, p. 146: Note on; CONRAD, iii, p. 14.
 +*Dione securiformis, annexa*, Eocene, Mississippi; CONRAD, i, p. 137, figg.: n. spp.
Donax angustatus, Sby., equals *D. fossor*, Say; TRYON, iii, p. 200.
Donax (Serrula) pictus, Hab. ?; TRYON, vi, p. 23, fig.: +*D. fordii*, New Jersey, Cretaceous; CONRAD, v, p. 102, fig.: n. spp.
Dosinia floridana, Florida; CONRAD, ii, p. 280, fig.: n. sp.
Gemma gemma, Totten, falling during rainstorm; FORD, v, p. 118.
 +*Gemma (?) cretacea*, Mississippi, Cretaceous; CONRAD, v, p. 96, fig.: n. sp.
Glaucomyida, catalogue of; TRYON, vii, p. 253.
 +*Gouldia pygmaea*, Eocene, Mississippi; CONRAD, i, pp. 139, 212, fig.: n. sp.
Harvella pacifica, Panama; CONRAD, iii, p. 192 [figd.]; v, p. 108], n. sp.

- Hiatula nitens*, New Zealand; TRYON, v, p. 171, fig.: n. sp.
†*Linearia*, Conrad, note on; CONRAD, vi, p. 73.
Liocyra scammoni, British Columbia, p. 145, *viridis*, Arctic Ocean, p. 146; DALL, vii, figg.: n. spp.
Macoma parkeri, n. n. for *Tellina subtrigona*, Sby., nom. preocc.; TRYON, iv, App. p. 103: †*M. virginiana* is distinct from *M. lusoria*; CONRAD, ii, p. 76.
Macoma subrosea, Delaware Bay; CONRAD, vi, p. 71, fig.: †*M. sublintea*, Oligocene, Vicksburg; CONRAD, vi, p. 199, fig.: n. spp.
Mactridae, catalogue of species; CONRAD, iii, App. p. 30.
†*Mactra virginiana*, Miocene, Virginia; CONRAD, iii, pp. 189, 269, fig.: †*M. contracta*, Miocene, N. Carolina (?); CONRAD, iii, p. 268, fig.: *M. gabbii*, Lower California; TRYON, v, p. 170, fig.: n. spp.
†*Mactrodesma*, n. gen. for *Mactra ponderosa*, Conrad; CONRAD, iv, p. 247.
Mercenaria mortoni, Conrad, and *M. fulgurans*, Tryon, are synonyms of *M. praeperca*, Say; TRYON, v, p. 63.
Mercenaria kennicotti, California; DALL, vii, p. 147, fig.: *M. fulgurans*, Florida; TRYON, i, p. 297, fig. [Synonym of *M. praeperca*, Say; TRYON, v, p. 63]: †*M. obtusa*, Eocene, Virginia; CONRAD, ii, p. 104, fig.: †*M. percrassa*, apparently Tertiary, Virginia; CONRAD, iii, p. 13 [Figd.; CONRAD, iv, p. 278]: †*M. cuneata*, Miocene, Maryland; CONRAD, iv, p. 278, fig.: †*M. plena*, Maryland, Miocene; CONRAD, v, p. 100: n. spp.
†*Metis*, note on Tertiary species; CONRAD, v, p. 99.
†*Mulinia parilis*, Miocene, Virginia; CONRAD, iii, p. 269, fig.: n. sp.
†*Mysia astartiformis*, figured; CONRAD, i, p. 147.
†*Mysia levis*, *deltoides*, fig., Eocene, Alabama; CONRAD, i, p. 147: †*M. parilis*, Miocene, New Jersey; CONRAD, ii, p. 71, fig.: n. spp.
†*Palæocorbis*, n. gen. for *Corbis cordiformis*, D'Orb., Cretaceous; CONRAD, v, p. 102.
†*Raeta gibbosa*, Tertiary, Payta; GABB, v, p. 30: n. sp.
Rangianella, n. gen. for *Gnathodon trigonum*, Petit; CONRAD, iii, App. p. 30.
Petricolidae, catalogue of the family; TRYON, vii, p. 255.
Rexithærus (Conrad MS.), n. subgen. of *Macoma* for *M. secta* and *denticulata*; TRYON, iv, App. p. 104.
Sanguinolaria robertsii, Philippines; TRYON, v, p. 171, fig.: n. sp.
†*Semele carolinensis*, n. n. for *Amphidesma orbiculata*, Tuomey & Holmes nec Say; CONRAD, iii, p. 14: *S. gouldi*, n. n. for *S. duplicata*, Gould nec Sby., p. 120, *sowerbyi*, n. n. for *punctata*, Sby. nec Say, p. 122; TRYON, iv, App.
Semele rubropicta, California; DALL, vii, p. 144, fig.: n. sp.
Spissula catilliformis, *dolabrimformis*, Panama; CONRAD, iii, p. 193 [Figd.; CONRAD, v, p. 108]: †*S. capillaria*, Miocene, Virginia; CONRAD, ii, p. 71, fig.: n. spp.
Strigilla producta, Jamaica; TRYON, vi, p. 24, fig.: n. sp.
†*Tellimera* (*Tellinimera*, emend.), note on; CONRAD, vi, p. 73.
Tellinidae, catalogue of; TRYON, iv, App. p. 72: *T. beadianus*, n. n. for *T. tenuilirata*, Sby., 1868 nec 1867, p. 82, *recluziana*, n. n. for *souleyetiana*, Recluz nec Hanley, p. 98; TRYON, iv, App.: †*T. prora*, note on; GABB, v, p. 30.
Tellina tampaensis, Florida; CONRAD, ii, p. 281, fig.: *T. (Peronæa) conradi*, Hab. ?; TRYON, vi, p. 24, fig.: †*T. (Angulus) eburneopsis*, *albaria*, (*Tellinella*) *linifera*, Eocene, Mississippi; CONRAD, i, p. 138, figg.: †*T. (Angulus) peracuta*, (*Tellinella*) *capillifera*, Miocene, New Jersey; CONRAD, ii, p. 71, figg.: †*T. amazonensis*, Post Tertiary, Amazon; GABB, iv, p. 198, fig.: n. spp.

SUBMYTILACEA.

- Anodon mcnielii*, *subgibbosa*, p. 144, *inornata*, p. 145, Michigan; ANTHONY, ii, figg. : n. spp.
- +*Eora*, n. gen. for *Æ. cretacea*, n. sp., Cretaceous, New Jersey; CONRAD, vi, p. 72.
- Alasmodon rhombica*, Michigan; ANTHONY, i, p. 158, fig. : n. sp.
- Anodon subangulata*, p. 158, *imbricata*, *opalina*, p. 159, *flava*, *subinflata*, p. 160, Michigan, *papyracea*, p. 161, hab. incert., *pallida*, Michigan, *micans*, Texas, p. 162, *glandulosa*, *irisans*, Michigan, p. 163; ANTHONY, i, figg. : n. spp.
- Anodonta quadriplicata*, Sby. = *Margaritana undulata*, Say; TRYON, vi, p. 291.
- Anodonta subcarinata*, Michigan; CURRIER, iii, p. 113, fig. : +*A. decurtata*, Tertiary, Colorado; CONRAD, vi, p. 200, fig. : n. spp.
- Arconia*, n. gen. for *Triquetra lanceolata*, Lea; CONRAD, i, p. 234.
- Astarte*, note on; CONRAD, v, p. 46 : +*A. corbicula*, n. n. for *A. crenulirata*, Lea nec Conrad; CONRAD, iii, p. 12.
- +*Astarte componema*, Miocene, Virginia (?) ; CONRAD, ii, p. 72, fig. : +*A. veta*, *annosa*, Triassic, New Jersey; CONRAD, iv, p. 279, figg. [references reversed by error] : +*A. (?) staminea*, Mississippi; CONRAD, vi, p. 73 : +*A. appressa*, Jurassic, Nevada; GABB, v, p. 12, fig. : n. spp.
- +*Bucardia veta*, Eocene, New Jersey; CONRAD, v, p. 41, fig. : n. sp.
- +*Cardinia (?) ponderosa*, Trias, Nevada; GABB, v, p. 13, fig. : n. sp.
- +*Carditamera aculeata*, Miocene, New Jersey; CONRAD, ii, p. 73, fig. : +*C. recta*, Miocene, Maryland; CONRAD, iv, p. 279, fig. : +*C. macropleura*, Virginia; CONRAD, v, p. 101 [to be "excluded," vide p. 227] : n. spp.
- Castalia carolinensis*, Sby., = *C. ambigua*; TRYON, v, p. 182.
- Ceropsis*, n. subgen. of *Cardita* for *C. minima*, n. sp., California; DALL, vii, p. 152, fig.
- Corbiculidae*, catalogue of family; PRIME, v, App. pp. 127-187 : +*C. densata*, Conrad, note on; CONRAD, iii, p. 6.
- +*Crassatella pteropsis*, Gabb nec Conrad, may be juv. of Conrad's species; CONRAD, v, p. 47 : +*C. producta*, Conrad, figured; CONRAD, i, p. 139.
- +*Crassatella peralta*, *planata*, New Jersey, Tertiary; CONRAD, ii, p. 104, figg. [really Cretaceous; iii, p. 270] : +*C. littoralis*, Eocene, New Jersey, p. 41, *prora*, Cretaceous, New Jersey, p. 43; CONRAD, v, figg. : +*C. tumidula*, Eocene, Alabama; WHITFIELD, i, p. 267, fig. : n. spp.
- +*Crassina (?) veta*, Eocene, New Jersey; CONRAD, v, p. 41, fig. : n. sp.
- +*Cyclas curta*, Eocene, Mississippi; CONRAD, i, p. 139, fig. : +*C. claibornensis*, Eocene, Alabama; CONRAD, i, pp. 146, 212, fig. : n. spp.
- Cyclocardia*, n. gen. for *Cardita borealis*, Conrad; CONRAD, iii, p. 191.
- Cyprina islandica*, note on; TRYON, vii, p. 252.
- Cyrena protecta*, Florida; CONRAD, v, p. 107, fig. : n. sp. [= *C. floridana*, p. 227].
- Cyrenellidae*, catalogue of; PRIME, vii, p. 251.
- +*Egeria donacea*, Eocene, Alabama; CONRAD, i, p. 146 : n. sp.
- +*Goniosoma*, apparently n. gen. for *G. inflata*, n. sp., Cretaceous, New Jersey; CONRAD, v, p. 43, fig.
- +*Gouldia decemnaria*, *declivis*, Cretaceous, New Jersey; CONRAD, v, p. 48, figg. : n. spp.
- Hyria exasperata*, *latialata*, *rugosissima*, all = *corrugata*, while *recta* and *alata* = *avicularis*; TRYON, v, p. 182.
- Leguminaia*, n. gen. for *Monocondylea mardinensis*, Lea; CONRAD, i, p. 233.
- +*Lirodiscus*, n. gen. for *Astarte tellinoides*, Conrad, Eocene; CONRAD, v, p. 46.

- †*Lucina densata*, n. n. for *L. pennsylvanica*, Tuomey & Holmes *nec* Lam.; CONRAD, iii, p. 13.
Lucina linteæ, Florida; CONRAD, ii, p. 281, fig.: n. sp.
Monocondylæa, revision of genus; WHEATLEY, i, p. 65: Note on genus; CONRAD, i, p. 233.
Monocondylæa peguensis, crebristriata, Pegu; ANTHONY, i, p. 205, figg.: n. spp.
Montacuta gouldi, New Bedford Harbour; THOMSON, iii, p. 33, fig.: n. sp.
†*Pachythærus*, n. gen. for *Crassatella vindimensis*, D'Orb.; CONRAD, v, p. 47.
†*Palæocardita*, n. gen. for *Cardita austriaca*; CONRAD, iii, p. 11.
Pisidium insigne, California; GABB, iv, p. 69, fig.: n. sp.
Pleodon macmurtrii, Conrad, is distinct from *P. ovatus*, SWNSN.; CONRAD, iii, p. 4: Is distinct from *Iridina ovata*, SWNSN.; CONRAD, v, p. 104.
†*Pleuromeria*, n. gen. for *P. decemcostata* (n. n. for *Cardita tridentata*, Conrad *nec* Say); CONRAD, iii, p. 12.
†*Priscoconcha*, n. gen. for *P. ventricosa*, n. sp., Carboniferous, Kansas; CONRAD, iii, p. 10, fig.
†*Pseudocardia*, apparently n. gen. for *Cardita smidti*, Horn., and others; CONRAD, ii, p. 103.
Pseudodon, Gould, list of species; CONRAD, i, p. 233.
Pseudodon ellipticum, Cambodia; CONRAD, i, p. 352, fig.: n. sp.
†*Radioconcha*, n. gen. for *Crassatella guerangeri*, D'Orb., and *robinaldina*, D'Orb.; CONRAD, v, p. 47.
Rictocyma, n. subgen. of *Astarte* for *R. mirabilis*, n. sp., Bering Sea; DALL, vii, p. 151, fig.: n. sp.
†*Scambula*, n. gen. for *S. perplana*, n. sp., Cretaceous, New Jersey; CONRAD, v, p. 48, fig.
Solenais, n. gen. for *Mycetopus emarginatus*, Lea; CONRAD, iv, p. 249.
†*Sphaerella*, note on genus; CONRAD, vi, p. 200.
†*Sphaerella bulla*, Eocene, Mississippi; CONRAD, i, p. 138, fig.: n. sp.
†*Tenea*, n. gen. for *T. parilis*, n. sp., Cretaceous, New Jersey; CONRAD, vi, p. 72.
Trigonodon, n. gen. for *Monocondylæa crebristriata*, Anthony; CONRAD, i, p. 233.
Turtonia occidentalis, Eastern Siberia; DALL, vii, p. 150, fig.: n. sp.
Unio, critical notes on species of; TRYON, i, p. 176, ii, pp. 161 & 162, 381, iii, pp. 92, 246, iv, pp. 47, 165, 283: *U. nyassa*, Sby., is a synonym of *U. nyassaensis*, Lea; TRYON, iii, p. 92.
Unio striatissimus, p. 155, Tennessee, *distans*, Ohio, *deviatus*, p. 156, *sacculus*, *impressa*, p. 157, Tennessee; ANTHONY, i, figg.: *U. peguensis*, Pegu; ANTHONY, i, p. 351, fig.: *U. opalinus*, Michigan; ANTHONY, ii, p. 146, fig.: *U. depygis*, Tennessee; CONRAD, ii, p. 107, fig.: *U. uber*, Alabama, *fontanus*, Mississippi, *prasinatus*, Florida; CONRAD, ii, p. 279, figg.: *U. rivicolus*, Florida; CONRAD, iv, p. 280, fig.: n. spp.
†*Veleda*, n. gen. for *Protocardia linteæ*, Conrad; CONRAD, vi, p. 74.
†*Venericardia mooreana*, Eocene, Texas; CONRAD, iii, p. 190: n. sp.
†*Venilia*, Morton, note on; CONRAD, ii, p. 103.
†*Venilia elevata*, Cretaceous, New Jersey; CONRAD, vi, p. 74, fig.: n. sp.
†*Vetocardia*, n. gen. for *Astarte crenalirata*, Conrad, Cretaceous; CONRAD, v, pp. 43, 48: †*V. crenalirata*, apparently n. n. for *Astarte corbicula* [iii, p. 12], with figure; CONRAD, v, p. 43.
†*Woodia lævigata*, Speyer, belongs to *Erycinella*; CONRAD, v, p. 102.

PSEUDOLAMELLIBRANCHIATA.

- †*Avicula annosa*, Eocene, New Jersey; CONRAD, i, p. 214, fig.: n. sp.
 †*Camptonectes bellisculptus*, New Jersey, Cretaceous; CONRAD, v, p. 99, fig.: n. sp.
 †*Cassianella lingulata*, Trias, Nevada; GABB, v, p. 14, fig.: n. sp.
 †*Eburneopecten*, n. subgen. of *Pecten*, type *P. scintillatus*, Eocene; CONRAD, i, p. 140: is a synonym of *Camptonectes*, p. 191.
 †*Inoceramus peculiaris*, Cretaceous, New Jersey; CONRAD, v, p. 43, fig. [Is a *Cercomya*; CONRAD, vi, p. 76]: n. sp.
Lyropecten, n. gen. for *L. crasscardo*, Conrad, Miocene; CONRAD, iii, p. 6: *L. intermedius*, California, recent; CONRAD, t. c., p. 7: n. sp.
 †*Monotis circularis*, Trias, Nevada; GABB, v, p. 15, fig.: n. sp.
Ostrea, on green colouration; O'SHAUGHNESSY, iii, p. 133: †*O. gallus*, Val., note on; GABB, v, p. 32.
 †*Ostrea falciformis*, Eocene, Mississippi; CONRAD, i, p. 140, fig.: n. sp.
 †*Pecten purpuratus*, Lam., note on; GABB, v, p. 32.
Pecten (*Pseudamussium*?) *alaskensis*, Alaska; DALL, vii, p. 155, fig.: *P. ruschenbergieri*, Muscat; TRYON, v, p. 171, fig.: †*P. (Eburneopecten*, n. subgen.) *scintillatus*, Eocene, Mississippi; CONRAD, i, p. 140, fig.: †*P. tricarinatus*, *yorkensis*, Miocene, Virginia; CONRAD, iii, p. 189: †*P. cerinus*, Miocene, Maryland, p. 39, *kneiskerni*, Eocene, New Jersey, p. 40; CONRAD, v, figg.: n. spp.
Perna hawaiiensis, n. n. for *P. californica*, Conrad; PEASE, vii, p. 25.
 †*Plicatula perimbricata*, Jurassic, Nevada; GABB, v, p. 16, fig.: n. sp.
 †*Posidonomya blatchleyi*, Trias, Nevada; GABB, v, p. 13, fig.: n. sp.
 †*Pulvinites argentea*, note on; CONRAD, iii, p. 9.
 †*Sinsyclonema* (?) *simplicia*, note on; CONRAD, v, p. 99.

FILIBRANCHIATA.

- Anomalocardia floridana*, Gulf of Mexico and Texas; CONRAD, v, p. 108, fig.: n. sp.
 †*Arca* (*Scapharca*) *raimondii*, Tertiary, Payta; GABB, v, p. 31: n. sp.
 †*Arcoperna*, n. gen. for *A. filosa*, n. sp., Eocene, Mississippi; CONRAD, i, p. 140, fig.
 †*Axinæa paytensis*, D'Orb., note on; GABB, v, p. 31.
 †*Axinæa inæquistria*, *duplistria*, Eocene, Mississippi; CONRAD, i, p. 139, figg.: †*A. mortoni*, Cretaceous, New Jersey; CONRAD, v, p. 44, fig.: †*A. bella*, Miocene, Virginia; CONRAD, vi, p. 199, fig.: n. spp.
 †*Cucullæa macrodonta*, Eocene, Alabama; WHITFIELD, i, p. 267, fig.: n. sp.
 †*Diploschiza cretacea*, Cretaceous, Alabama; CONRAD, ii, pp. 77, 105, fig.: n. sp.
 †*Lithophaga subalveata*, Miocene, New Jersey; CONRAD, ii, p. 73, fig.: n. sp.
Modiola aterrima, Japan; DALL, vii, p. 154, fig.: *M. peasei*, Honolulu; NEWCOMB, v, p. 163, fig.: n. spp.
Modiolaria denticulata, Mexico; DALL, vii, p. 154: †*M. virginica*, Miocene, Virginia; CONRAD, iii, p. 267, fig.: n. spp.
 †*Mytilus unguatus*, note on; GABB, v, p. 31.
 †*Nemoarca cretacea*, New Jersey, Cretaceous; CONRAD, v, p. 97, fig.: n. sp.
 †*Nemodon*, n. gen. for *Arca eufalensis*, Gabb, Cretaceous; CONRAD, v, p. 97.

- †*Nucularia papyria*, Conrad, note on; CONRAD, v, p. 98.
 †*Nucularia papyria*, Cretaceous, New Jersey; CONRAD, v, p. 44, fig.: n. sp.
 †*Orthonota*, ? n. gen. for *O. undulata*, Conrad; CONRAD, ii, p. 103.
 †*Paranomia*, n. gen. for *Placunanomia saffordi*, Conrad, Cretaceous; CONRAD, iii, p. 8.
 †*Scapharca tenuicardo*, Miocene, Maryland; CONRAD, v, p. 39, fig.: n. sp.
Septifer trautwiniana, New Granada; TRYON, ii, p. 302, fig.: n. sp.
 †*Trigonoarca*, note on; CONRAD, iii, p. 9.
 †*Trigonoarca passa*, Cretaceous, New Jersey; CONRAD, v, p. 43, fig.: †*T. cuneiformis*, New Jersey, Cretaceous; CONRAD, v, p. 98, fig.: n. spp.

PROTOBRANCHIATA.

- †*Nucula spheniopsis*, Eocene, Mississippi; CONRAD, i, p. 140, fig.: n. sp.
 †*Nucula linifera*, Eocene, Mississippi; CONRAD, i, p. 139, fig.: †*N. protexta*, Eocene, Alabama; CONRAD, i, p. 147, fig.: n. spp.
 †*Perrisonota*, n. gen. for *P. protexta*, n. sp., New Jersey, Cretaceous; CONRAD, v, p. 98, fig.
 †*Solemya ventricosa*, Conrad, note on; CONRAD, v, p. 103.
 †*Solemya triasina*, Pennsylvania, Trias; CONRAD, v, p. 102: n. sp.
 †*Yoldia albaria*, n. n. for *Y. protexta*, Conrad nec Gabb; CONRAD, iii, p. 8.
Yoldia seminuda, St Paul's Harbour; DALL, vii, p. 153: †*Y. protexta*, Eocene, New Jersey; CONRAD, i, p. 213, fig.: n. spp.

V. AMPHINEURA.

POLYPLACOPHORA.

- Acanthochites* (?) *viridis*, p. 194, *armatus*, p. 195, Hawaiian Islands; PEASE, vii: n. spp.

BRACHIOPODA.

- Brachiopoda* of California; DALL, vii, pp. 156 & 157.
Cranidia, revision of; DALL, vii, p. 71.
 †*Craniscus*, n. gen. for *Crania tripartita*, Munster; DALL, vii, p. 72.
 †*Cranopsis*, n. subgen. of *Crania* for *C. parisiensis*, DeFrance; DALL, vii, p. 72.
Discinida, revision of; DALL, vii, p. 74.
Discinisca, n. subgen. of *Discina* for *D. lamellosa*, Brod.; DALL, vii, p. 74.
Glottidia, n. gen. of *Lingulida*, type *G. albida*, Dall; DALL, vi, p. 157.
Glottidia (? *albida*, var.) *palmeri*, Gulf of California; DALL, vii, p. 77: n. sp.
 †*Gotlandia*, n. n. for *Trimerella*, Lindstrom nec Billings; DALL, vi, p. 160.
Laqueus, n. subgen. of *Terebratella*, type *T. californica*, Koch; DALL, vi, p. 123.
Lingulida, revision with notes on recent species; DALL, vi, p. 88.
Magas (*Magasella*) *levis*, Patagonia; DALL, vi, p. 136, fig.: n. sp.
Magasella, n. subgen. of *Magas*, type *Terebratella evansii*, Dav.; DALL, vi, p. 134.
Magasella gouldii, Japan; DALL, vii, p. 67, fig.: n. sp.

- †*Spirifer obtusus*, Trias, Nevada; GABB, v, p. 17, fig.: n. sp.
Terebratella rubiginosa, ? Cape of Good Hope; DALL, vi, p. 122, vii, p. 65, fig.: *T. (Laqueus*, n. subgen.) *suffusus*, Japan; DALL, vi, p. 125, fig. [Is a synonym of *Terebratella rubella*, Sby.; DALL, vii, p. 65]: n. spp.
Terebratulidae, revision with notes on recent species; DALL, vi, p. 88: Supplement; DALL, vii, pp. 39-71.
†*Terebratula glossa*, Eocene, New Jersey; CONRAD, v, p. 42, fig.: n. sp.
†*Terebratulina filosa*, Cretaceous, Alabama; CONRAD, ii, pp. 77, 105, fig.: n. sp.
†*Trimerella*, notes on; DALL, vii, p. 79.
†*Trimerella billingsi*, p. 82, *minor*, p. 83, Silurian, Canada; DALL, vii, figg.: n. spp.
Waldheimia pulvinata, note on; COOPER, vi, p. 320.
Waldheimia raphaelis, Japan; DALL, vi, p. 111, fig.: n. sp.

TUNICATA.

- Boltonia beringi*, Bering Sea; DALL, vii, p. 157: n. sp.
Cynthia (?) *montereyensis*, California; DALL, vii, p. 157: n. sp.
Salpa herculea, p. 158, *cymbiola*, p. 159, Aleutian Islands; DALL, vii: n. spp.

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DIGESTA MALACOLOGICA

No. II.

A SUMMARY OF

THE

ANNALS AND MAGAZINE OF NATURAL HISTOR

AND ITS FORERUNNERS

PART I. (1829-1863)

BY

E. R. SYKES

LONDON

WILLIAM WESLEY AND SON

28, ESSEX STREET, STRAND

1903

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PREFACE.

IN these pages I have recorded the papers relating to recent and fossil Mollusca in the following periodicals :

(1) 'Magazine of Natural History,' vols. i-ix (1829-1836), and new series vols. i-iv (1837-1840), referred to as *Mag. Nat. Hist.* and *Mag. Nat. Hist. n. s.* The Supplemental plates were issued in four parts, namely :

No. 1, May 1839, pls. i-iv.

No. 2, Sept. 1839, pls. v-ix.

No. 3, April 1840, pls. x-xiv.

No. 4, July 1840, pls. xv-xix.

The last plate is lettered xx, but appears to be really xix.

(2) 'Magazine of Zoology and Botany,' vols. i and ii (1836-1838), referred to as *Mag. Zool. Bot.* The dates of issue of these twelve parts are troublesome. As nearly as I can trace them they are as below :

Pt. 1	June 1836	Pt. 7	} previous to Oct. 1837
" 2	Aug. 1836	" 8	
" 3	} 1836	" 9	} Oct. 1837
" 4		" 10	
" 5	} Jan. and Feb. 1837	" 11	Dec. 1837
" 6		" 12	Feb. 1838.

I have to thank Mr Sherborn and Mr Woodward for their kind help.

(3) 'Annals of Natural History,' vols. i-v (1838-1840), which became, by union, in vol. vi 'The Annals and Magazine of Natural History,' and is cited throughout these pages, for brevity, without any abbreviated title. Series 2, volume vii, for example, is referred to as (2) vii.

The date of 1863 has been selected as a convenient stopping-place, since after that year the periodical has been dealt with in the pages of the 'Zoological Record,' whose system has been here followed. I have appended to each paper, in square brackets, the date of its publication.

Attention is called to the Errata on p. vi, relating to No. I. of the *Digesta*.

ERRATA IN DIGESTA MALACOLOGICA

No. I.

THE AMERICAN JOURNAL OF CONCHOLOGY.

- p. 23. For *Ampelita bigsbeyi*; TRYON, v, p. 40, read *A. bigsbyi*; TRYON, v, p. 110.
- p. 23. *Helix capsella, ligera* : transfer to *Zonitidæ* on p. 22.
- p. 27. *Operculatum*, erroneously placed on p. 37, belongs to Tectibranchs.
- p. 28. Insert *Seminella*, n. gen. for *Cithara ornata*, Pse., etc. ; PEASE, iii, p. 234.

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THE ANNALS AND MAGAZINE OF NATURAL HISTORY AND ITS FORERUNNERS.

PART I. (1829—1863.)

I. TITLES.

1. ADAMS, A. Description of a new species of *Macgillivrayia*. (2) ix, p. 242 [1852, March].
2. —. On a New Species of *Macgillivrayia* [*echinata*, Cape Verd Is.]. (2) xix, pp. 373 & 374 [1857, May].
3. —. Descriptions of two new species of Heteropodous Mollusca [*Macgillivrayia*, *Sinusigera*]. (2) xix, pp. 461–463 [1857, June].
4. —. Notice of the Animal of *Turbo sarmaticus* and other Mollusca from the Cape. (2) xx, pp. 41 & 42 [1857, July].
5. —. Notice of two new species of *Brownia*, a genus of oceanic Mollusca. (3) i, pp. 28 & 29 [1858, Jan.].
6. —. Notice of three new species of *Sinusigera*, a genus of Brachio-cephalous Mollusks. (3) i, pp. 125 & 126 [1858, Feb.].
7. —. On the Synonyms and Habitats of *Cavolina*, *Diacria*, and *Pleuropus*. (3) iii, pp. 44–46 [1859, Jan.].
8. —. On some New Genera and Species of Mollusca from Japan. (3) v, pp. 299–303, 405–413 [1860, April and May].
9. —. Mollusca Japonica : New Species of *Chrysallida* and *Parthenia*. (3) v, pp. 477–479 [1860, June].
10. —. Mollusca Japonica : New Species of *Odostomia*. (3) vi, pp. 20–22 [1860, July].
11. —. Notes on the Animals of certain Genera of Mollusca. (3) vi, pp. 109–113 [1860, Aug.].
12. —. Mollusca Japonica : New Species of *Aclis*, *Ebala*, *Dunkeria*, etc. (3) vi, pp. 118–121 [1860, Aug.].
13. —. On the Animal of *Umbonium vestiarium*. (3) vi, pp. 288 & 289 [1860, Oct.].
14. —. On some new Genera and Species of Mollusca from Japan. (3) vi, pp. 331–337 [1860, Nov.].

15. [ADAMS, A.] On a new Genus [*Cingulina*] and on some new Species of Mollusca from Japan. (3) vi, pp. 414-422 [1860, Dec.].
16. —. On some additional new Species of *Pyramidellidæ* from the Islands of Japan. (3) vii, pp. 41-47 [1861, Jan.].
17. —. On some new Species of *Eulima*, *Leiostraca*, and *Cerithiopsis* from Japan. (3) vii, pp. 125-131 [1861, Feb.].
18. —. On the Animal of *Alycaeus* and some other Cyclophoroid Genera. (3) vii, pp. 196 & 197 [1861, March].
19. —. On a new Genus and some new Species of *Pyramidellidæ* from the North of China. (3) vii, pp. 295-299 [1861, April].
20. —. On some new Species of Mollusca from the North of China and Japan. (3) viii, pp. 135-142 [1861, Aug.].
21. —. On some new Genera and Species of Mollusca from the North of China and Japan. (3) viii, pp. 239-246 [1861, Sept.].
22. —. On some new Genera and Species of Mollusca from the North of China and Japan. (3) viii, pp. 299-309 [1861, Oct.].
23. —. On a supposed new Genus and on some new Species of Pelagic Mollusca. (3) viii, pp. 401-404 [1861, Nov.].
24. —. On the *Scalidæ* or "Wentletraps" of the Sea of Japan; with Descriptions of some new Species. (3) viii, pp. 479-484 [1861, Dec.].
25. —. On some new Species of *Cylichnidæ*, *Bullidæ*, and *Philinidæ*, from the Seas of China and Japan. (3) ix, pp. 150-161 [1862, Feb.].
26. —. On some new Species of Acephalous Mollusca from the Sea of Japan. (3) ix, pp. 223-230 [1862, March].
27. —. On some new Species of Mollusca from Japan. (3) ix, pp. 295-298 [1862, April].
28. —. Note on the Molluscan Fauna of Japan. (3) ix, pp. 298 & 299 [1862, April].
29. —. On the Animal and Affinities of the Genus *Alaba*, with a Review of the known Species, and Description of some new Species. (3) x, pp. 293-299 [1862, Oct.].
30. —. On some new Species of *Scissurellidæ* from the Seas of China and Japan. (3) x, pp. 346-348 [1862, Nov.].
31. —. On the Animal and Float of *Ianthina*. (3) x, pp. 417-420 [1862, Dec.].
32. —. On the Animal and Affinities of *Scaliola*, a Genus of Mollusca from Japan. (3) x, pp. 420 & 421 [1862, Dec.].
33. —. On the Japanese Species of *Siphonalia*, a proposed new Genus of Gasteropodous Mollusca. (3) xi, pp. 202-206 [1863, March].
34. —. On some new Genera and Species of *Umboniidæ* from the Seas of Japan. (3) xi, pp. 264-268 [1863, April].
35. —. On *Microstelma* and *Onoba*, two forms of Rissoid Gasteropods; with Notices of new Species of the latter from Japan. (3) xi, pp. 347-349 [1863, May].
36. —. On the Genera and Species of *Lacunidæ* found in Japan. (3) xi, pp. 350 & 351 [1863, May].

37. [ADAMS, A.] On a new Genus [*Blanfordia*] of Terrestrial Mollusks from Japan. (3) xii, pp. 424 & 425 [1863, Dec.].
— [See also ADAMS, H. & A. (39-44).]
38. ADAMS, B. W. *Corbula rosea*. (3) vi, p. 455 [1860, Dec.].
39. ADAMS, H., & A. On two new genera of Mollusca [*Paxillus*, *Limneria*]. (2) vii, pp. 63 & 64 [1851, Jan.].
40. —. On a new genus [*Lorica*] of *Chitonidae*. (2) ix, p. 355 [1852, April].
41. —. On a new Arrangement of British *Rissoæ*. (2) x, pp. 358 & 359 [1852, Nov.].
42. —. Description of a new Genus [*Myrina*] of Bivalve Mollusca. (2) xiv, p. 76 [1854, July].
43. —. Description of a new genus [*Tyleria*] of Bivalve Mollusca. (2) xiv, p. 418 [1854, Dec.].
44. —. Descriptions of five new Genera of Mollusca. (3) x, pp. 18-20 [1863, Jan.].
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47. —. Remarks on *Lottia virginea*. viii, pp. 404-406, figg. [1842, Feb.].
48. —. Descriptions of some new British species of *Rissoa* and *Odotomia*. xiii, pp. 323-328, pl. viii [1844, May].
49. —. Note on *Euplocamus*, *Triopa* and *Idalia*. xv, pp. 262-264 [1845, April].
50. —. *Kellia rubra*. (2) ii, p. 217 [1848, Sept.].
51. —. Description of a new British *Limnæa*. (2) ii, pp. 396 & 397, pl. xi [1848, Dec.].
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53. —. On the Animal of *Kellia rubra*. (2) iv, pp. 48-56 [1849, July].
54. —. On the Branchial Currents of the Bivalve Mollusca. (2) iv, pp. 242-245 [1849, Oct.].
55. —. Notes on *Montacuta ferruginosa*. (2) v, pp. 210-213, pl. vi [1850, March].
56. —. On the genus *Jeffreysia*. (2) vii, pp. 193-196 [1851, March].
57. —. On distinctive Characters of *Jeffreysia* and *Chemnitzia*. (2) vii, pp. 460-465 [1851, June].
58. —. A Reply to some Statements of Dr Williams on the controversy respecting the Branchial Currents in the Lamellibranchiata. (2) xiv, pp. 177-182 [1854, Sept.].
59. —. Notes on *Sepia biserialis* and *Sepia elegans*. (2) xix, p. 474 [1857, June].

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61. — & —. Notice of a British species of *Calliopæa*, D'Orbigny, and of Four new species of *Eolis*, with observations on the Development and Structure of the Nudibranchiate Mollusca. xii, pp. 233-238 [1843, Oct.].
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67. — & —. Additions to the British species of Nudibranchiate Mollusca. (2) i, pp. 189-192 [1848, March].
68. — & —. On a proposed New Order of Gasteropodous Mollusca. (2) i, pp. 401-415, pls. xix & xx [1848, June].
69. — & —. Descriptions of two new species of Nudibranchiate Mollusca, one of them forming the type of a new Genus. With the Anatomy of the Genus by ALBANY HANCOCK. (2) viii, pp. 290-302, pls. ix & x [1851, Oct.].
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71. — & —. Notice of some new species of British Nudibranchiata. (2) xiv, pp. 102-105 [1854, Aug.].
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75. —. Description of a new genus [*Geomalacus*] of Pulmonary Gasteropods. xvii, pp. 297-299, pl. ix [1846, May].
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- [See also KONINCK (389).]

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80. BALFOUR, J. H. Sketch of the Life of the late Professor Edward Forbes. (2) xv, pp. 35-52 [1855, Jan.]
81. BARLEE, G. On some British species of *Chemnitzia*. (2) vii, pp. 482-485 [1851, June]; (2) viii, pp. 78 & 79 [1851, July].
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89. —. Characters of seven new species of *Helix*, with amended descriptions of some species previously described, and Notes on others requiring remark. (2) ii, pp. 158-164 [1848, Sept.].
90. —. Notice of an English locality for *Helix revelata*, Férussac. (2) ii, pp. 359 & 360 [1848, Nov.].
91. —. Descriptions of four new Asiatic species of the genus *Pupa* of Draparnaud. (2) iv, pp. 125-128 [1849, Aug.].
92. —. Characters of *Diplommatina*, a new genus of Terrestrial Mollusks belonging to the Family of *Carychiadæ*, and of a second species contained in it; also of a new species of *Carychium* inhabiting Western Himalaya. (2) iv, pp. 193-195 [1849, Sept.].
93. —. Characters of several new East Indian and South African *Helices*, with remarks on some other species of the Genus occurring at the Cape of Good Hope. (2) v, pp. 213-217 [1850, March].
94. —. Characters of nine new or imperfectly described species of *Planorbis* inhabiting India and China. (2) v, pp. 348-352 [1850, May].
95. —. Characters of new species of *Helix* from India, Mauritius, and the Cape of Good Hope; also of a new Mauritian *Tornatellina*, with remarks on the habits of a Cape *Succinea*. (2) vi, pp. 251-256 [1850, Oct.].

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97. —. Descriptions of new Land Shells from St Helena, Ceylon, and China. (2) vii, pp. 262-266 [1851, April].
98. —. Characters of *Tomichia*, a new palustrine testaceous Mollusk from Southern Africa, heretofore referred to the genus *Truncatella*. (2) vii, pp. 377-380 [1851, May].
99. —. Geographical Notices, and Characters of fourteen new species of *Cyclostoma*, from the East Indies. (2) viii, pp. 184-195 [1851, Sept.].
100. —. Descriptive characters of two species of the Genus *Pterocyclos*, discovered by Dr Bland. (2) viii, pp. 195-197, 237, pl. v [1851, Sept.].
101. —. Characters of new species of *Helix* from Southern India and Bengal. (2) ix, pp. 404-407 [1852, May].
102. —. Notes on the genus *Cyclostoma*; and Characters of some new species from India, Borneo, and Natal. (2) x, pp. 268-272 [1852, Oct.].
103. —. Notice of an Australian *Diplommatina*: and Characters of new East Indian *Helicidæ* from Darjiling and Sincapore. (2) x, pp. 348-351 [1852, Nov.].
104. —. Characters of several *Helices* from West Australia and the Mauritius; with notes on some species of *Cyclostoma* from Borneo. (2) xi, pp. 29-33 [1853, Jan.].
105. —. Descriptions of species belonging to the genera *Pterocyclos* and *Cyclostoma*, from Ceylon and West Australia. (2) xi, pp. 105 & 106 [1853, Feb.].
106. —. Additional Character of the Shell of the Cyclostomatous genus *Alycæus* of Gray, with descriptions of its Animal Inhabitant, of a fourth species, and of other new Indian *Cyclostomata*; also, Remarks on an unrecorded character in *Diplommatina*. (2) xi, pp. 283-287 [1853, April].
107. —. Further Observations on the Animal of *Diplommatina* (including a Note by Captain T. Hutton). (2) xi, pp. 433-435 [1853, June].
108. —. Characters of new Land Shells, collected by Edgar L. Layard, Esq., in Ceylon. (2) xii, pp. 90-97 [1853, Aug.].
109. —. Characters of a new European *Pupa*, and of a new Australian *Bulimus*. (2) xiii, pp. 97-99 [1854, Jan.].
110. —. Characters of four Indian species of *Cyclophorus*, Montfort, followed by Notes on the Geographical Distribution of the Genera of the Cyclostomacea in Hindostan. (2) xiv, pp. 411-418 [1854, Dec.].
111. —. Amended Characters of the singular Lymneadous Genus *Camptoceras*, and description of a new *Ancylus*, inhabitants of North-western India. (2) xv, pp. 9-13, fig. [1855, Jan.].
112. —. Characters of the Genus *Opisthoporus*, an Eastern form of the *Cyclostomacea*, with Remarks on its Affinities and Notes on several Opercula. (2) xv, pp. 13-17 [1855, Jan.].
113. —. Notice on the question of the presence of an Operculum in the genus *Diplommatina*, Benson, and description of a new species. (2) xv, pp. 329-331 [1855, May].

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115. —. Description of *Tanystoma tubiferum*, a Burmese form related to the Genus *Anostoma* of Lamarck. (2) xvii, pp. 129-131 [1856, Feb.].
116. —. Characters of seventeen new forms of the *Cyclostomacea* from the British Provinces of Burmah, collected by W. Theobald, jun., Esq. (2) xvii, pp. 225-233 [1856, March].
117. —. Remarks on the Genera *Tanystoma*, *Nematura*, and *Anaulus*. (2) xvii, pp. 342 & 343 [1856, April].
118. —. Descriptions of three new species of *Paludomus* from Burmah, and of some forms of *Stenothyra* (*Nematura*) from Penang, Mergui, &c. (2) xvii, pp. 494-501 [1856, June].
119. —. Occurrence of *Clausilia mortilleti*, Dumont, in Kent. (2) xviii, pp. 74 & 75 [1856, July].
120. —. New Terrestrial Shells from Ceylon, with a General List of the Species inhabiting that Island. (2) xviii, pp. 94-99 [1856, Aug.].
121. —. Description of one Indian and nine new Burmese *Helices*; and Notes on two Burmese *Cyclostomacea*. (2) xviii, pp. 249-254 [1856, Sept.].
122. —. On *Clausilia rolpheii* and *mortilleti*. (2) xviii, pp. 424 & 425 [1856, Nov.].
123. —. New Land Shells collected by E. L. Layard, Esq. (2) xviii, pp. 433-439 [1856, Dec.].
124. —. Characters of *Streptaulus*, a new genus, and of several species of the *Cyclostomacea* from Sikkim, the Khasia Hills, Ava, and Pegu. (2) xix, pp. 201-211 [1857, March].
125. —. New Species of *Bulinus* from India, Burma, and Mauritius. (2) xix, pp. 327-330 [1857, April].
126. —. Description of *Camptonyx*, a new Indian genus of Terrestrial Shells. (3) i, pp. 336-339, pl. xii [1858, May].
127. —. Characters of *Tanyssiphon*, a new genus of Fluvial Shells, allied to the *Myacidae*. (3) i, pp. 407-410, pl. xii [1858, June].
128. —. Descriptions of several new Land Shells from the Mauritius. (3) iii, pp. 98-100 [1859, Feb.].
129. —. A Sectional Distribution of the genus *Alycaeus*, Gray, with characters of six new species and of other *Cyclostomidae* collected at Darjiling by W. T. Blanford, Esq., Geol. Survey. (3) iii, pp. 176-184 [1859, March].
130. —. Descriptions of new species of *Helix*, *Streptaxis*, *Pupa* [*Ennea*], and *Vitrina*, collected by Mr W. Theobald, jun., in Burmah, the Khasia Hills, and Hindostan. (3) iii, pp. 184-189 [1859, March].
131. —. Descriptions of new *Helicidae* contained in the Darjiling Collections of Messrs W. T. and H. F. Blanford. (3) iii, pp. 265-273 [1859, April].
132. —. New *Helicidae* collected by W. Theobald, Esq., jun., in Burmah and the Khasia Hills. (3) iii, pp. 387-393 [1859, May].

133. [BENSON, W. H.] Description of a new *Bulinus* from Jerusalem. (3) iii, pp. 393 & 394 [1859, May].
134. —. Characters of a new Burmese *Streptaxis* and of two forms belonging to a peculiar section of *Helix* collected by Captain Richard H. Sankey, Madras Engineers. (3) iii, pp. 471–474 [1859, June].
135. —. Observations on the Shell and Animal of *Hybocystis*, a new genus of *Cyclostomidae*, based on *Megalomastoma gravidum* and *Otopoma blennus*, B.; with notes on other living shells from India and Burmah. (3) iv, pp. 90–93 [1859, Aug.].
136. —. Notes on the animals of *Rhaphaulus chrysalis*, *Pupina artata*, *Otopoma clavusum*, *Helix achatina*, and *H. pylaica*. (3) iv, pp. 93–96 [1859, Aug.].
137. —. Note on the Opercula of several species of *Megalomastoma*. (3) iv, pp. 238 & 239 [1859, Sept.].
138. —. On the genus *Camptonyx*. (3) iv, p. 318 [1859, Oct.].
139. —. On the Burmese genus *Sophina*. (3) v, pp. 26 & 27 [1860, Jan.].
140. —. On *Clostophis* and *Rhiostoma*, new Burmese Genera of Land-Shell. (3) v, pp. 95–97 [1860, Feb.].
141. —. Notes on *Plectopylis*, a group of *Helicidae* distinguished by several internal plicate Epiphragms; with the Characters of a new Species. (3) v, pp. 243–247 [1860, April].
142. —. Characters of new Cingalese Land-Shell. collected by F. Layard, Esq., Ceylon Civil Service. (3) v, pp. 381–385 [1860, May].
143. —. On new Land-Shell. from Darjiling, with a series of new Indian Species of *Achatina*. (3) v, pp. 460–466 [1860, June].
144. —. Notes on the Subgenus *Corilla*, H. & A. Adams; and on the Group *Plectopylis*, Benson; also on *Pollicaria*, Gould, and *Hybocystis*, Benson. (3) vi, pp. 98–100 [1860, Aug.].
145. —. Characters of new Land-Shell. from Burmah and the Andamans. (3) vi, pp. 190–195 [1860, Sept.].
146. —. Descriptions of Freshwater Shells collected in Southern India by Lieut. Charles Annesley Benson, 45th M. N. I. (3) vi, pp. 257–260 [1860, Oct.].
147. —. Notes on *Ianthina*, Bolten; and Indication of a new Species of the allied oceanic Genus *Recluzia*, Petit. (3) vi, pp. 405–414 [1860, Dec.].
148. —. Notes on the Pteropodous Genus *Hyalæa*, and Description of a new Species. (3) vii, pp. 21–28 [1861, Jan.].
149. —. Description of a new *Alyceus* from the Andaman Islands; with Notes on other Indian *Cyclostomacea*. (3) vii, pp. 28 & 29 [1861, Jan.].
150. —. Characters of a gigantic *Helix* from Southern India, and of other Species from Northern India, the Malayan Coast, and the Andaman Islands. (3) vii, pp. 81–85 [1861, Feb.].
151. —. Descriptions of Indian and Burmese Species of the Genus *Unio*, Retz. (3) x, pp. 184–195 [1862, Sept.].

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153. —. Characters of new Land-Shells of the Genera *Helix*, *Clausilia*, and *Spiraxis*, from the Andamans, Moulmein, Northern India, and Ceylon. (3) xi, pp. 87-91 [1863, Feb.].
154. —. Characters of new Land-Shells from the Andaman Islands, Burmah, and Ceylon, and of the Animal of *Sophina*. (3) xi, pp. 318-323 [1863, May].
155. —. Characters of new Operculate Land-Shells from the Andamans, and of Indian and Burmese Species of *Pupa*. (3) xii, pp. 425-429 [1863, Dec.].
— [See also CANTOR (172).]
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160. —. On Indian Species of Land-Shells belonging to the Genera *Helix*, Linn., and *Nanina*, Gray. (3) xi, pp. 81-86 [1863, Feb.].
161. —. On the Animals of *Raphaulus*, *Spiraculum*, and other tube-bearing *Cyclostomacea*. (3) xii, pp. 55-58 [1863, July].
162. —. Descriptions of *Cremnobates syhadrensis* and *Lithotis rupicola*, two new Generic Forms of Mollusca inhabiting Cliffs in the Western Ghats of India. (3) xii, pp. 184-187, 327, pl. iv [1863, Sept. and Oct.].
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166. BROWN, J. A List of the Fossil Shells found in a Fluvio-Marine Deposit at Clacton in Essex. vii, pp. 427-429 [1841, July].
167. BROWN, T. Description of some New Species of the Genus *Pachyodon*. xii, pp. 390-396, pls. xv, xvi, xvi* [1843, Dec.].
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175. —. On the Development of *Purpura*. (2) xx, pp. 127 & 128 [1857, Aug.].
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177. CHARLESWORTH, E. Notice of the Occurrence of *Voluta lamberti* on the Suffolk Coast; with Observations upon its Claim to rank with existing Species. Mag. Nat. Hist. n. s. i, pp. 35-43 [1837, Jan.].
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183. —. On the Animal of *Kellia rubra*. (2) iii, pp. 452-456 [1849, June].
184. —. On the Animal of *Kellia rubra*. (2) iv, pp. 141-146 [1849, Aug.].
185. —. On the Animals of *Cæcum trachea* and *C. glabrum*. (2) iv, pp. 180-184 [1849, Sept.].
186. —. On the Animal of *Dentalium tarentinum*. (2) iv, pp. 321-330 [1849, Nov.].
187. —. On two new species of [Marine] Testaceous Mollusca. (2) iv, pp. 424 & 425 [1849, Dec.].

188. [CLARK, W.] On the Terebrating Mollusca. (2) v, pp. 6-14 [1850, Jan].
189. —. Observations on the *Littorinidæ*. (2) v, pp. 352-364 [1850, May].
- 189A. —. Observations on the *Lacunæ*. (2) vi, pp. 29-35 [1850, July].
190. —. Observations on the Animals of the *Bullidæ*. (2) vi, pp. 98-108 [1850, Aug.].
191. —. On the *Pholadidæ*. (2) vi, pp. 313-336 [1850, Nov.].
192. —. On the *Conovulidæ*, *Tornatellidæ*, and *Pyramidellidæ*. (2) vi, pp. 444-464 [1850, Dec.].
193. —. On the *Muricidæ*. (2) vii, pp. 108-130 [1851, Feb.].
With postscript describing *Chemnitzia barleei*, n. sp.
194. —. On the *Chemnitzia opalina* and *C. diaphana*. (2) vii, pp. 292-297 [1851, April].
195. —. On the *Chemnitzia*. (2) vii, pp. 380-394 [1851, May].
196. —. On the Classification of the British Marine Testaceous Mollusca. (2) vii, pp. 469-481 [1851, June].
197. —. On the *Skeneadæ*. (2) viii, pp. 44-49, fig. [1851, July].
198. —. Further Observations on the *Chemnitzia*. (2) viii, pp. 108-113 [1851, Aug.].
199. —. On a new British species of *Lepton* [*L. clarkii*]. (2) ix, pp. 191 & 192 [1852, March].
200. —. Further Observations on *Lepton clarkii*. (2) ix, pp. 293 & 294 [1852, April].
201. —. On the *Venus undata* of authors. (2) ix, pp. 400-402 [1852, May].
202. —. On some of the rarer British Gasteropodous Mollusca. (2) x, pp. 22 & 23, 77 [1852, July].
203. —. On the genus *Lepton*. (2) x, pp. 129-134 [1852, Aug.].
204. —. On some of the Animals of the *Chemnitzia* which have not been described. (2) x, pp. 195-210 [1852, Sept.].
205. —. On some undescribed Animals of the British *Rissoæ*. (2) x, pp. 254-263 [1852, Oct.].
206. —. On the *Ianthinæ*, *Scalariæ*, *Naticæ*, *Lamellariæ*, and *Velutinæ*. (2) xi, pp. 44-58 [1853, Jan.].
207. —. On the *Chitonidæ*. (2) xi, pp. 274-283 [1853, April].
208. —. On the Genus *Truncatella*. (2) xii, pp. 4-8 [1853, July].
209. —. On the *Rissoa rubra*. (2) xii, pp. 107-110 [1853, Aug.].
210. —. On the Branchial Currents in the Bivalves. (2) xii, pp. 303-318 [1853, Nov.].
211. —. On the *Adis unica*, Auct. (2) xiv, pp. 122-124 [1854, Aug.].
212. —. On *Ancylus oblongus* and *A. fluviatilis*. (2) xv, pp. 278-285 [1855, April].
213. —. On the *Assiminia grayana* and *Rissoa anatina*. (2) xvi, pp. 114-120 [1855, Aug.].

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217. —. On *Rissoa pulcherrima*. (2) xx, pp. 262 & 263 [1857, Oct.].
218. —. On the British *Trochus cutlerianus* (Clark), being the ? *Skenea cutleriana* of the 'British Mollusca'; and on the *Trochus exilis* of Philippi (Moll. Sicil.). (3) iii, pp. 192–195 [1859, March].
219. —. On Mr Jeffreys's 'Gleanings in British Conchology,' published in the 'Annals of Natural History' for January and August 1858 and for January and February 1859. (3) iii, pp. 406–414 [1859, May].
220. —. On the *Lepton sulcatulum* of Mr Gwyn Jeffreys. (3) v, pp. 27–29 [1860, Jan.].
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223. —. On the Nudibranchiate Mollusca inhabiting the Estuary of the Dee. (3) vi, pp. 196–202 [1860, Sept.].
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253. [GRAY, J. E.] Two recent species of *Trigonia*. i, pp. 481 & 482 [1838, Aug.].
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275. —. On a new genus of *Anomiadae*. (2) xii, pp. 150 & 151 [1853, Aug.].

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277. —. On the Animal of *Rotella*, Lamk. (2) xii, pp. 179 & 180 [1853, Sept.].
278. —. On the Teeth of the Pneumonobranchiate Mollusca. (2) xii, pp. 329-333, 478, figg. [1853, Nov. and Dec.].
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283. —. On the Genera *Volutella* and *Cymbiola*. (2) xiii, pp. 346 & 347 [1854, April].
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298. —. On the Nucleus of the Operculum of *Cyclostoma elegans*. (2) xix, p. 350 [1857, April].
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309. HANCOCK, A. A List of Shells dredged on the West Coast of Davis's Strait; with Notes and Descriptions of eight new species. xviii, pp. 323-338, pl. v [1846, Nov.].
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316. —. On the Animal of *Myochama anomioidea*. (2) xi, pp. 287-291, pl. xi [1853, April].
317. — & EMBLETON, D. On the Anatomy of *Eolis*, a genus of Mollusks of the order Nudibranchiata. xv, pp. 1-10, 77-88, pls. i-v [1845, Jan. and Feb.].
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328. —. Notes on the Permian System of the Counties of Durham and Northumberland. (2) xix, pp. 33-52, 304-312, 463-473, pl. iv [1857, Jan., April, and June].
329. HUTTON, T. The Operculum of *Diplommatina*. (2) xvi, p. 300 [1855, Oct.].
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332. JEFFREYS, J. G. A List of Testaceous Mollusca collected in the Shetland Isles during a few days' residence there in the autumn of this year, and not noticed by Dr Fleming in his 'History of British Animals' as indigenous to that country. viii, pp. 165 & 166 [1841, Nov.].
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341. —. On *Chemnitzia* and other Mollusca, in answer to Mr Clark. (2) vii, pp. 465-469, pl. xv [1851, June].
342. —. Notes on Swiss Mollusca. (2) xv, pp. 20-34 [1855, Jan.].
343. —. Shropshire Mollusca. (2) xvi, p. 464 [1855, Dec.].
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345. —. Further Notices of Piedmontese Mollusca. (2) xvii, pp. 271 & 272 [1856, March].
346. —. Note on the Genus *Scissurella*. (2) xvii, pp. 319-322 [1856, April].
347. —. On *Scissurella* and *Schismope*. (2) xvii, pp. 470 & 471 [1856, June].
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351. —. Contribution to the Conchology of France. (2) xviii, pp. 471 & 472 [1856, Dec.].
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355. —. Notes on British Mollusca, in answer to Mr William Clark's Remarks on "Gleanings in British Conchology." (3) iii, pp. 496-499, fig. [1859, June].
356. —. Additional Gleanings in British Conchology. (3) iv, pp. 189-201 [1859, Sept.].
357. —. Note in answer to Mr Clark's 'Remarks on *Lepton sulcatulum*.' (3) v, pp. 131 & 132 [1860, Feb.].
358. —. Remarks on Mr M'Andrew's "Note on the Comparative size of Marine Mollusca in various Latitudes of the European Seas." (3) v, pp. 197-200 [1860, March].
359. —. A Synoptical List of the British Species of *Teredo*, with a notice of the Exotic Species. (3) vi, pp. 121-127 [1860, Aug.].
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362. —. On the Mollusca of the Upper Harz. (3) vi, pp. 348-350 [1860, Nov.].

363. [JEFFREYS, J. G.] Report of the Results of Deep-sea Dredging in Zetland, with a Notice of several Species of Mollusca new to science or to the British Isles. (3) viii, pp. 297-299 [1861, Oct.].
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365. —. On a Species of *Limopsis*, now living in the British Seas; with Remarks on the Genus. (3) x, pp. 343-346 [1862, Nov.].
366. JELLY, H. On Fossil Shells of the genus *Modiola* being frequently found in the Bath Oolite, enclosed in the Shells of the genus *Lithodomus*. Mag. Nat. Hist. n. s. iii, pp. 551-553, figg. [1839, Nov.].
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368. —. Note on the smaller British species of *Pisidium*. (3) ii, pp. 104-107 [1858, Aug.].
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370. —. Illustrations in British Zoology. 21. *Pleurobranchus plumula*. Mag. Nat. Hist. vii, pp. 348-350, figg. [1834, July].
371. —. Illustrations in British Zoology. 22. *Tergipes pulcher*. Mag. Nat. Hist. vii, pp. 490 & 491, fig. [1834, Oct.].
372. —. Illustrations in British Zoology. 28. *Tritonia pinnatifida*. Mag. Nat. Hist. viii, pp. 61 & 62, fig. [1835, Jan.].
373. —. Illustrations in British Zoology. 38. *Eolidia papillosa*. 39. *Eolidia despecta*. 40. *Eolidia embletoni*. Mag. Nat. Hist. viii, pp. 376-380, figg. [1835, July].
374. —. Illustrations in British Zoology. *Limapontia nigra*. Mag. Nat. Hist. ix, pp. 79 & 80, fig. [1836, Feb.].
375. —. Illustrations in British Zoology. *Lamellaria tentaculata*. Mag. Nat. Hist. ix, pp. 229 & 230, fig. [1836, May].
376. —. Miscellanea Zoologica. iv. The Scottish Mollusca Nudibranchia. i, pp. 44-56, 114-125, pls. ii, iii [1838, March and April].
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409. —. Additional Notice of the genus *Tancredia* (Lycett), *Hettangia* (Turquem). (2) xi, pp. 221-224, fig. [1853, March].
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411. —. On *Perna quadrata*, Sow. (2) xv, pp. 427-429, fig. [1855, June].
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510. —. Contributions towards a Knowledge of the Mollusca Nudi-branchia and Mollusca Tunicata of Ireland, with Descriptions of some apparently new species of Invertebrata. v, pp. 85-102, pl. ii [1840, April].
511. —. Catalogue of the Land and Freshwater Mollusca of Ireland. vi, pp. 16-34, 109-126, 194-206 [1840, Sept. to Nov.].
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514. —. Additions to the Fauna of Ireland. xiii, pp. 430-440 [1844, June].
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517. —. Note on the *Teredo norvegica* (*T. navalis*, Turton, not Linn.), *Xylophaga dorsalis*, *Limnoria terebrans*, combined in destroying the submerged wood-work at the harbour of Ardrossan on the coast of Ayrshire. xx, pp. 157-164 [1847, Sept.].
518. —. Additions to the Fauna of Ireland. xx, pp. 169-176 [1847, Sept.].
519. —. Additions to the Fauna of Ireland. (2) i, pp. 62-67 [1848, Jan.].
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521. —. Additions to the Fauna of Ireland. (2) vii, p. 501 [1851, June].
522. —. On *Littorina palliata*. (2) x, pp. 75 & 76 [1852, July].
523. —. *Thecacera pennigera*. (2) xiv, p. 237 [1854, Sept.].
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538. —. On the supposed new British species of *Skenea*. (2) xix, p. 269 [1857, March].
539. WEST, F. H. *Saxicava* a Byssus-Spinner. (3) iii, pp. 511 & 512 [1859, June].
540. WHITEAVES, J. F. On the Palæontology of the Coralline Oolites of the neighbourhood of Oxford. (3) viii, pp. 142-147, pl. ix [1861, Aug.].
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- 546A. —. A Catalogue of Shells from the Crag. vi, pp. 243-253 [1840, Dec.].
547. —. A Catalogue of Shells from the Crag. ix, pp. 455-462, 527-544, pl. v [1842, Aug. and Sept.].
Several new names, which appear without descriptions, have been omitted in the systematic portion.
548. WOODWARD, S. P. On the tenacity of life in snails. (2) vi, pp. 489 & 490 [1850, Dec.].
549. —. Notes on the Habits of Bivalve Shell-fish. (2) xii, pp. 415-417 [1853, Dec.].
550. —. Descriptions of the Animals of certain Genera of Bivalve Shells. (2) xv, pp. 99-101, figg. [1855, Feb.].
551. —. Descriptions of the Animals of certain Genera of Conchifera. (2) xvi, pp. 22-27, figg. [1855, July].
552. —. Another Note on *Scissurella*. (2) xvii, pp. 401 & 402 [1856, May].
553. —. On the Occurrence of the Fossil Genus *Conoteuthis*, D'Orb., in England. (2) xvii, pp. 402 & 403 [1856, May].
554. —. On the Evils of Increasing Synonyms. (2) xviii, pp. 36 & 37 [1856, July].
555. —. Tenacity of life in Snails. (3) iii, p. 448 [1858, May].
— [See also MACANDREW (420).]
556. WRIGHT, S. Rare Irish Mollusca. (2) xiv, p. 397 [1854, Nov.].
557. WRIGHT, T. A Stratigraphical Account of the Section from Round Tower Point to Alum Bay, on the North-west Coast of the Isle of Wight. (2) vii, pp. 14-27 [1851, Jan.].
558. —. Contributions to the Palæontology of Gloucestershire:—On the *Strombidæ* of the Oolites. With the description of a new and remarkable *Pteroceras*, by J. LYCETT. (2) vii, pp. 306-310, pl. xiii [1851, April].
559. —. A Stratigraphical Account of the Section of Hordwell, Beacon, and Barton Cliffs, on the coast of Hampshire. (2) vii, pp. 433-446 [1851, June].
560. —. On Fossil Echinoderms from the Island of Malta; with Notes on the stratigraphical distribution of the Fossil Organisms in the Maltese beds. (2) xv, pp. 101-127, 175-196, 262-277, pls. iv-vii [1855, Feb., March, April].

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c. PALÆOTROPICAL ORIENTAL ZONE.

9. *Indian Region.*

India:—N. spp. of *Helix*; BENSON (89): N. spp. of *Pupa*; BENSON (91): N. spp. of *Carychium* and *Diplommatina* (n. gen.); BENSON (92): N. spp. of *Helix*; BENSON (93): N. spp. of *Planorbis*; BENSON (94): N. spp. of *Helix*; BENSON (95): Review of *Cyclophoridae*, with n. spp. of *Cyclostoma*; BENSON (99): New species of *Helix*; BENSON (101): *Cyclostoma nilagiricum*, n. sp.; BENSON (102): New species of *Alycæus* and *Cyclostoma*; BENSON (106): Notes on operculate landshells, with n. spp. of *Cyclophorus*; BENSON (110): *Ancylus verruca*, n. sp.; BENSON (111): *Helix laidlayana*, n. sp.; BENSON (121): Notes on *Cyclophoridae*, with n. spp. of *Alycæus*, *Cyclophorus*, *Diplommatina*, *Leptopoma*, and *Streptaulus* (n. gen.); BENSON (124): New species of *Bulimus*; BENSON (125): *Camptonyx theobaldi*, n. gen. and sp.; BENSON (126): List of *Achatina*, with n. spp.; BENSON (143): New species of *Unio*; BENSON (151): New

species of *Pupa*; BENSON (155): On *Helix* and *Nanina*; BLANFORD (160): New species of *Cremnobates* and *Lithotis*, n. genn.; BLANFORD (162).—S. India: *Helix basileus*, n. sp.; BENSON (150).—River Ganges: *Stenothyra foreolata*, n. sp.; BENSON (118).—Bengal: *Tanysiphon rivalis*, n. gen. and sp.; BENSON (127).—North India: *Helix hyba*, n. sp.; BENSON (150): *Helix haughtoni*, n. sp.; BENSON (153).—Darjiling: New species of *Clausilia* and *Helix*; BENSON (103): Operculate land shells, with n. spp. of *Alyceus*, *Diplommata*, and *Pomatias*; BENSON (129): Notes on Helicoid landshells with n. spp. of *Helix* and *Vitrina*; BENSON (131): New species of *Achatina*, *Diplommata*, and *Ennea*; BENSON (143).—Khasia Hills: New species of *Helix*, *Pupa* (*Ennea*), *Streptaxis*, and *Vitrina*; BENSON (130): New species of *Helix*; BENSON (132).—Travancore: *Tanalia* (?) *stomatodon*, n. sp.; BENSON (152): New species of *Bithinia*, *Clea*, and *Corbicula*; BENSON (146).

Ceylon:—*Cyclostoma halophilum*, n. sp.; BENSON (97): *Pterocyclos troscheli*, n. sp.; BENSON (100): New species of *Cyclostoma* and *Pterocyclos*; BENSON (105): New species of *Achatina*, *Bulimus*, *Cataulus*, *Cyclophorus*, *Helix*, *Pupa*, *Streptaxis*, and *Vitrina*; BENSON (108): List of landshells, with n. spp. of *Achatina*, *Bulimus*, *Cyclophorus*, *Helix*, and *Leptopoma*; BENSON (120): New species of *Achatina*, *Cyclophorus*, and *Helix*; BENSON (142): New species of *Clausilia*, *Helix*, and *Spiraxis*; BENSON (153): New species of *Bulimus* and *Helix*; BENSON (154): List of land and freshwater shells; LAYARD, (2) vii, p. 408: Notes on land and freshwater shells; LAYARD, (2) xi, pp. 226, 305–307, 309, 312 & 313, 395 & 396: *Vaginula maculata*, n. sp.; TEMPLETON (507).

10. Indo-Chinese Region.

Burma:—Notes on shells with *Tanystoma tubiferum*, n. gen. and sp.; BENSON (115): Notes on shells with n. spp. of *Alyceus*, *Cyclophorus*, *Hydrocena*, *Leptopoma*, *Megalomastoma*, *Otopoma*, *Pterocyclos*, and *Pupina*; BENSON (116): N. spp. of *Helix*; BENSON (121): New species of *Cyclophorus*; BENSON (124): *Bulimus putus*, n. sp.; BENSON (125): New species of *Helix*; BENSON (132): New species of *Clostophis* and *Rhiostoma*, n. genn.; BENSON (140): *Helix leiophis*, n. sp.; BENSON (141): New species of *Cyclophorus*, *Helix*, *Hydrocena*, and *Pupina*; BENSON (145): New species of *Unio*; BENSON (151): *Helix gordonix*, n. sp.; BENSON (153): New species of *Clausilia*, *Helix*, and *Opisthoporus*; BENSON (154): *Pupa avanica*, n. sp.; BENSON (155).

Tenasserim:—*Scaphula pinna*, n. sp.; BENSON (114): *Bulimus theobaldianus*, n. sp.; BENSON (125): New species of *Helix*; BENSON (130): Notes on shells with n. spp. of *Helix* and *Streptaxis*; BENSON (134).

Pegu:—New species of *Cyclophorus*; BENSON (124).

Mergui:—*Stenothyra monilifera*, n. sp.; BENSON (118).

Camboja:—New species of *Bulimus* and *Helix*; REVE (475).

Singapore:—*Paxillus adversus*, n. gen. and sp.; ADAMS (H. & A.) (39): *Helix lychnia*, n. sp.; BENSON (103).

Penang:—*Cyclostoma cantori*, n. sp.; BENSON (99): *Stenothyra cingulata*, n. sp.; BENSON (118).

Pulo Susson I. (Pulo Penang):—*Pterocyclos blandi*, n. sp.; BENSON (100).

Andamans:—New species of *Helicina*, *Helix*, and *Streptaxis*; BENSON (145): *Alyceus andamania*, n. sp.; BENSON (149): New species of *Helix*; BENSON (150): New species of *Helix* and *Spiraxis*; BENSON (153): New species of *Helix*; BENSON (154): New species of *Cyathopoma* (?), *Helicina*, and *Omphalotropis*; BENSON (155).

11. *Indo-Malay Region.*

Borneo:—*Helix regalis*, n. sp.; BENSON (93): New species of *Cyclostoma*; BENSON (102): Notes on operculate land shells; BENSON (104): *Stenothyra strigilata*, n. sp.; BENSON (118).

d. AUSTRALIAN ZONE.

12. *Austro-Malayan Region.*

New Guinea:—*Pupina aurea*, n. sp.; HINDS (325).

New Ireland:—*Pupina mitis*, n. sp.; HINDS (325).

13. *Australian Region.*

Australia:—*Stenothyra frustillum*, n. sp.; BENSON (118).—West Australia: New species of *Helix*; BENSON (104): New species of *Cyclostoma*; BENSON (105): *Bulimus baconi*, n. sp.; BENSON (109): *Diplommata australis*, n. sp.; BENSON (113).—East Australia: Occurrence of *Diplommata*; BENSON (103).—Moreton Bay: *Bulimus maconelli*, n. sp.; REEVE (473).

Tasmania:—*Helix launcestonensis*, n. sp.; REEVE (474).

14. *Austro-Polynesian Region.*

New Hebrides:—On a 'bitentaculate slug' from Aneiteum; MACDONALD (434): Named *Aneitea macdonaldi*, n. gen. and sp.; GRAY (306).

Fiji Is.:—N. spp. of *Cyrena* and *Scarabus*; HINDS (325).

15. *Polynesian Region.*

Marquesas:—*Neritina armstrongiana*, n. sp.; HINDS (325).

16. *Neozelanian Region.*

New Zealand:—*Helix busbyi*, *dunniae*, n. spp.; GRAY (258): *Janella antipodarum*, n. sp.; GRAY (279).

e. NEOTROPICAL ZONE.

17. *Caribbean Region.*

West Indies:—*Nematura minima*, n. sp.; SOWERBY (488).

f. NEARCTIC ZONE.

18. *Californian Region.*

California:—*Paludina seminalis*, n. sp.; HINDS (325).

MARINE MOLLUSCA.

On the division of the European Seas into Provinces; MACANDREW (423).
Animal life in the deep Sea; JEFFREYS, (3) vii, p. 254: WALLICH, t. c. p. 396.

European Seas:—Variation in size of Mollusca in different latitudes; MACANDREW (421): See also JEFFREYS (358): MACANDREW (422).

Occurrence of marine forms in fresh water; MARTENS (437).

Distribution of littoral molluscs; ORBIGNY (450).

1. Arctic Province.

Davis Strait:—Shells, with n. spp. of *Astarte*, *Buccinum*, *Fusus*, *Lyonsia*, *Margarita*, *Nucula*; HANCOCK (309).

Spitzbergen:—List of Molluscs from; MACANDREW (420).

2. Boreal Province.

Nordland and Finmark:—Lists of Molluscs; MACANDREW & BARRETT (425).

List of shells collected between Drontheim and the North Cape; MACANDREW & BARRETT (424).

Norway:—*Eulima stenostoma*, n. sp.; JEFFREYS (353).

Shetlands:—*Chemnitzia barleei*, n. sp.; CLARK (193): Notes on Marine shells; JEFFREYS (332): *Odostomia notata*, n. sp.; JEFFREYS (336): Notes on Mollusca, with some nomina nuda; JEFFREYS (363): Shells with n. spp. of *Astarte*, *Cerithium*, *Fusus*, and *Trochus*; MACANDREW & FORBES (426).—Lerwick: Shells, with *Rissoa eximia*, n. sp.; JEFFREYS (338).

3. Celtic Province.

British Isles:—Notes on shells with n. spp. of *Odostomia* and *Rissoa*; ALDER (48): Specimens recorded as *Sepia biserialis* are really *S. elegans*; ALDER (59): N. spp. of *Calliopea* and *Eolis*; ALDER & HANCOCK (61): N. spp. of *Eolis* and *Venilia* (n. gen.); ALDER & HANCOCK (62): N. spp. of *Doris* and *Pterochilus* (n. gen.); ALDER & HANCOCK (64): N. spp. of *Doris*, *Eolis*, *Eumenis* (n. gen.), and *Goniodoris*; ALDER & HANCOCK (65): N. spp. of *Doris*, *Eolis*, and *Eumenis*; ALDER & HANCOCK (66): N. spp. of *Antiopea* (n. gen.), *Eolis*, and *Tritonia*; ALDER & HANCOCK (67): N. spp. of *Oithona* (n. gen.) and *Thecacera*; ALDER & HANCOCK (69): New species of *Antiopea*, *Doris*, *Embletonia*, *Eolis*, *Idalia*, *Thecacera*, and *Tritonia*; ALDER & HANCOCK (71): Notes on Nudibranchs, with n. spp. of *Doto* and *Limapontia*; ALDER & HANCOCK (72): Notes on *Conovulidae*, *Tornatellidae*, and *Pyramidellidae* with *Chemnitzia gulsonae*, n. sp.; CLARK (192): Classification of Marine Mollusca; CLARK (196): Notes on shells; CLARK (197): Further notes on *Chemnitzia*; CLARK (198): Notes on some British shells; CLARK (202): Notes on *Lepton*; CLARK (203): Notes on several families; CLARK (206): Notes on *Chitonidae*; CLARK (207): Notes on fauna, with n. spp. of *Eulimella*, *Pleurotoma*, *Rissoa*, and *Venus*; JEFFREYS (333): Notes on shells, with n. spp. of *Clausina* (n. gen.), *Margarita*, *Odostomia*, and *Rissoa*; JEFFREYS (334): Occurrence of *Homalogyra atomus*; JEFFREYS (335): N. spp. of *Odostomia*; JEFFREYS (336): Notes on *Odostomia*, with n. spp.; JEFFREYS (339): Additions to fauna, with n. spp. of *Diodonta*, *Eulimella*, *Odostomia*, and *Poromya*; JEFFREYS (352): Additions to fauna, with n. spp. of *Cerithiopsis*, *Eulima*, and *Rissoa*; JEFFREYS (353): Additions to fauna, with n. spp. of *Cerithiopsis*, *Chiton*, *Lepton*, *Limopsis*, *Modiola*, *Odostomia*, and *Recluzia*; JEFFREYS (354): Critical notes on several species mentioned in JEFFREYS (352); CLARK (219): Reply by

JEFFREYS (355): Notes on, and additions to, fauna; JEFFREYS (356): Review of species of *Teredo*, with n. spp.; JEFFREYS (359): Occurrence of *Limopsis aurita* in Shetlands; JEFFREYS (365): Classification of Molluscs; LEACH (392): Notes on shells, with n. spp. of *Bulla*, *Crenatula*, *Fusus*, and *Pleurotoma*; TURTON (526).

England and Wales:—S. England: N. spp. of *Acteonia* and *Cenia* (n. gen.); ALDER & HANCOCK (68).—Falmouth: *Skenea tricarinata*, n. sp.; WEBSTER (537).—Plymouth: Occurrence of *Teredo*; MOORE (438).—Devon: Occurrence of *Eolis landsburgii* at Exmouth; HINCKES (2) ix, p. 76: N. spp. of *Fusus* and *Skenea*; CLARK (187): *Lepton clarkiae*, n. sp.; CLARK (199).—Weymouth: Occurrence of *Thecaera pennigera*; THOMPSON (523): Occurrence of *Diodonta fragilis* and *Tritonia*; THOMPSON (524): Occurrence of *Sepia officinalis*; DAMON (229).—*Eolis landsburgii* at Morecambe Bay; MOSER (443).—Isle of Wight: Occurrence of *Rossia owenii*, Ball; FORBES, (2) iii, p. 239.—Swansea: Occurrence of *Antiopa cristata*; JEFFREYS, (2) viii, p. 159.—Merionethshire: Marine shells from Aberdovey; STRICKLAND, Mag. Nat. Hist. vii, p. 159.—Nudibranchiate Mollusca in the Mersey; COLLINGWOOD (222).—Nudibranchs from Estuary of the Dee; COLLINGWOOD (223).—Berwick Bay: *Eolis rufibranchialis*, n. sp.; JOHNSTON (369): *Terpides pulcher*, n. sp.; JOHNSTON (371): N. spp. of *Eolidia*; JOHNSTON (373): *Limapontia nigra*, n. sp.; JOHNSTON (374).—Scarborough: *Fusus turtoni*, n. sp.; BEAN (83): *Anomia coronata*, n. sp.; BEAN (85).—Yorkshire and Durham: *Mytilus subsaxatilis*, n. sp.; WILLIAMSON (542).—Durham: Occurrence of *Diphyllidia lineata*; HANCOCK (314): Shells from; HOWSE (327).—Northumberland and Durham: Shells from with *Fusus berniciensis*, n. sp., and new vars. of *Buccinum undatum*; KING (386, 387).—Northumberland: N. spp. of *Doris*, *Eolis*, *Melibæa*, *Polycera*, and *Tritonia*; ALDER & HANCOCK (60).—North England: N. spp. of *Polycera*; ALDER (46).

Scotland:—*Pecten macgillivraii*, n. sp.; EDMONDSTON (233): N. spp. of *Doris*, *Patella* and *Pleurotoma*; FORBES (242): Notes on shells with *Eulima macandrei*, n. sp.; FORBES (244); Review of Nudibranchs, with n. spp. of *Doris* and *Triopa* (n. gen.); JOHNSTON (376).—Occurrence of *Octopus* at Portpatrick; THOMPSON, Mag. Nat. Hist. n. s. iii, p. 586.—Occurrence of *Ianthina* in Wigtonshire; THOMPSON, Mag. Nat. Hist. n. s. ii, p. 21.—Lamlash Bay: Shells from; LANDSBOROUGH (391).—Mull of Cantire: Shells from off; HYNDMAN (330).—Mull of Galloway: Notes on shells; JEFFREYS, x, p. 237: Shells from off; THOMPSON (513).

Ireland:—Marine Shells, with *Cerithium pennantii*, n. sp.; THOMPSON (508): Marine Mollusca, with n. spp. of *Doris*, *Euplocamus*, *Polycera*, *Rissoa*, *Tritonia*, and *Turritella*; THOMPSON (510); Additions to fauna; THOMPSON (512, 514, 516, 518–521): Additions to fauna with n. spp. of *Amphidesma*, *Aplysia*, *Cardium*, *Doris*, *Odostomia*, *Pleurotoma*, *Rissoa*, and *Triton*; THOMPSON (515).—Occurrence of *Natica sordida* off Dublin; WALPOLE (535).—Several species from Dublin Coast; WALPOLE (534).—Notes on shells from Cork harbour; WRIGHT & CARROLL, (2) ix, p. 157.—Mollusca from Waterford and Wexford; WALPOLE, (2) ix, p. 356.—Notes on Galway molluscs; WALPOLE (533).—Shells from near Dublin; WALPOLE (532).—Occurrence of *Pholas* and *Pholadidea* at Ballycotton; WRIGHT, (2) xiv, p. 397.—Galway Bay: Notes on scarce Molluscs; MELVILLE, (2) viii, p. 428.—Occurrence of *Corbula rosea* in Dalkey Sound; ADAMS (38).—Dublin Bay: Marine Molluscs; HASSALL (322).

Isle of Man:—Marine Mollusca; EYTON (235): Notes on shells, with *Patella pulchella*, n. sp.; FORBES (237): Notes on marine shells; FORBES (236): Molluscs from a shell-bank off Ballaugh; FORBES (241): N. spp. of *Goniadoris* (n. gen.), *Montagua*, and *Rissoa*; FORBES (242).

Guernsey:—*Crimora papillata*, n. gen. and sp.; ALDER & HANCOCK (72).

Guernsey and Sark:—N. spp. of *Rissoa*; JEFFREYS (337).

4. *Lusitanian Province.*

Mid-Atlantic:—*Hyalea fissilabris*, n. sp.; BENSON (148).

France:—Shells from Etretat; JEFFREYS (351).

Piedmontese Coast:—List of species with n. spp. of *Cylichna*, *Eulimella*, *Jeffreysia*, *Odostomia*, *Rissoa*, *Scaphander*, *Scissurella*, *Trochus*, and *Turritella*; JEFFREYS (344): Further notes on Molluscs; JEFFREYS (345).

Vigo Bay:—List of Molluscs; MACANDREW (418).

Corfu:—A few shells listed; HANLEY (320).

Italy:—N. spp. of *Euplocamus*; PHILIPPI (459).

Mediterranean:—*Triphoris grayii*, n. sp.; HINDS (325A).

Sierra Leone:—N. spp. of *Aphorrhais*, *Cardium*, *Demoulia*, *Drillia*, *Fusus*, *Nassa*, *Pleurotoma*, and *Turbinella*; GRAY (251).

Africa:—*Lutraria senegalensis*, n. sp.; GRAY (248).

Madeira and Canaries:—Lists of collection of Mollusca; MACANDREW (419).

5. *Aralo-Caspian Province.*

Caspian Sea:—*Limneria caspiensis*, n. gen. and sp.; ADAMS (H. & A.) (39).

6. *West African Province.*

South Atlantic:—New species of *Macgillivrayia* and *Sinusigera*; ADAMS (3).

Cape Verd Is.:—*Macgillivrayia echinata*, n. sp.; ADAMS (2).

7. *South African Province.*

South Africa:—Notes on fauna; ADAMS (4).

Cape of Good Hope:—N. spp. of *Chiton*; SOWERBY (493).

8. *Indo-Pacific Province.*

East Africa:—*Marginella albanyana*, n. sp.; GASKOIN (246): *Chiton brevispinosus*, n. sp.; SOWERBY (493).

Red Sea:—*Bornia erythræensis*, n. sp.; GRAY (264).

Indian Ocean:—New species of *Bellerophina*, *Ianthina*, *Litiopa*, and *Sinusigera*; ADAMS (23): New species of *Sinusigera*; ADAMS (6).

Ceylon:—*Trevelyanella ceylonica*, n. gen. and sp.; KELAART (378): New species of *Diphyllidia*, *Doris*, *Elysia*, *Eolis*, *Melibæa*, *Phyllidia*, *Pleurobranchus*, *Polycera* (?), *Proctonotus*, *Pterochilus*, and *Scyllæa* (?); KELAART (379): New species of *Bornella*, *Diphyllidia*, *Doris*, and *Eolis*; KELAART (380).

Siam:—*Alaba blanfordi*, n. sp.; ADAMS (29).

Straits of Malacca:—N. spp. of *Triphoris*; HINDS (325A).

New Guinea:—N. spp. of *Triphoris*; HINDS (325A).

? Moluccas:—*Carinaria gracilis*, n. sp.; REEVE (467).

Chusan:—N. spp. of *Arca*, *Batillaria* (n. gen.), *Bullæa*, *Modiola*, *Mytilus*, and *Sanguinolaria*; BENSON (172).

China Seas:—New species of *Brownia*; ADAMS (5): *Sinusigera vitrea*, n. sp.; ADAMS (6): New species of *Elusa* (n. gen.), *Menestho*, *Monoptygma*, *Odostomia*, *Syrnola*, and *Turbonilla*; ADAMS (19): New species of *Aplysia*, *Capulus*, *Gasteroapteron*, *Leucotina*, *Onoba*, *Rissoa*, and *Sao*; ADAMS (20): New species of *Adeorbis*, *Diala*, *Eulima*, *Leiostraca*, *Liotia*, *Leucotina*, *Myonia*, *Rissoella*, *Stylopsis*, and *Vanesia*; ADAMS (21): New species of

Adeorbis, *Alvania*, *Assimineæ*, *Cecina* (n. gen.), *Chrysallida*, *Dunkeria*, *Ethalia*, *Onoba*, *Stenothyra*, *Teinostoma*, and *Vanesia*; ADAMS (22): New species of *Alciope* (n. gen.), *Macgillivrayia*, *Recluzia*, and *Sinusigera*; ADAMS (23): New species of *Alicula*, *Atys*, *Haminea*, and *Philine*; ADAMS (25): New species of *Corbula*, *Cryptodon*, and *Myrtea*; ADAMS (26): *Anatomus mirificus*, n. sp.; ADAMS (30): *Bacula striolata*, n. gen. and sp.; ADAMS (44): N. spp. of *Mactra*; GRAY (248): *Mactra sauliana*, n. sp.; GRAY (251).

Korea Strait:—New species of *Cylichna* and *Scaphander*; ADAMS (25): New species of *Crenella* and *Myrtea*; ADAMS (26).

Philippines:—*Venus magnifica*, n. sp.; HANLEY (319).—Mindoro Sea: *Macgillivrayia spinigera*, n. sp.; ADAMS (1).

Hawaiian Islands:—Notes on *Cypræidæ*; GRAY (303).

Fiji Is.:—*Conus celebs*, n. sp.; HINDS (325A).

Marquesas:—N. spp. of *Conus* and *Cyrtulus* (n. gen.); HINDS (325A).

New Ireland:—N. spp. of *Triphoris*; HINDS (325A).

South Sea:—*Mulinia donaciformis*, n. sp.; GRAY (248).—Few shells from Conway Reef; MACDONALD (435).

N. W. Australia:—*Martesia australis*, n. sp.; GRAY (264).

Prince of Wales I.:—*Lutraria elongata*, n. sp.; GRAY (248).

9. Australo-Zealandic Province.

Australia:—New species of *Alaba* and *Diala*; ADAMS (39): N. spp. of *Chiton*; SOWERBY (493).

N. W. Australia:—*Marginella albina*, n. sp.; GASKOIN (246).

North Australia:—*Voluta sophia*, n. sp.; GRAY (261).

New South Wales:—*Trigonia lamarckii*, n. sp.; GRAY (253).

New Zealand:—*Lutraria zealandica*, n. sp.; GRAY (248).

10. Japonic Province.

Japan:—*Chiton alternatus*, n. sp.; SOWERBY (493): New species (many genera being new) of *Alcyona*, *Auriculina*, *Cancellaria*, *Conradia*, *Constantia*, *Corbula*, *Couthouzia*, *Cranopsis*, *Enida*, *Huxleyia*, *Iole*, *Kleinella*, *Lachesis*, *Leucotina*, *Limopsis*, *Macrocheilus*, *Mörchia*, *Mucronalia*, *Myonia*, *Rissoa*, *Sarepta*, *Skenea*, *Stylopsis*, *Syrnola*, *Trichotropis*, *Velutina*, and *Zeidora*; ADAMS (8): New species of *Chrysallida* and *Parthenia*; ADAMS (9): New species of *Odostomia*; ADAMS (10): New species of *Actis*, *Cranopsis*, *Dunkeria*, *Ebala*, *Isapis*, and *Scala*; ADAMS (12): New species of *Finella* (n. gen.), *Minolia* (n. gen.), *Nipponia* (n. gen.), *Rissoella*, *Styliferina* (n. gen.), *Syrnola*, and *Zafra* (n. gen.); ADAMS (14): New species of *Agatha*, *Capulus*, *Cemoria*, *Cingulina* (n. gen.), *Dunkeria*, *Leucotina*, *Odostomia*, *Parthenia*, and *Turbonilla*; ADAMS (15): New species of *Actis*, *Auriculina*, *Chrysallida*, *Dunkeria*, *Ebala*, *Eulimella*, *Odostomia*, and *Parthenia*; ADAMS (16): New species of *Cerithiopsis*, *Eulima*, and *Leiostraca*; ADAMS (17): New species of *Alvania*, *Anomia*, *Buccinum*, *Capulus*, *Coryphella*, *Doriprismatica*, *Fossar*, *Leucotina*, *Setia*, and *Trichotropis*; ADAMS (20): New species of *Adeorbis*, *Cynisca*, *Diala*, and *Myonia*; ADAMS (21): New species of *Conradia*, *Ethalia*, *Lacuna*, *Menestho*, *Monoplygma*, and *Tomichia*; ADAMS (22): Review of *Scalidæ* with n. spp. of *Cirsotrema*, *Constantia*, and *Scala*; ADAMS (24): New species of *Alicula*, *Atys*, *Cylichna*, *Haminea*, *Philine*, *Roxania*, *Sao*, *Scaphander*, *Tornatina*, and *Volvula*; ADAMS (25): New species of *Crenella*, *Cryptodon*, *Ervilia*, *Galeomnina* (sic), *Lepton*, *Modiolaria*, *Myrtea*, *Tellimya*, and *Verticordia*; ADAMS (26): New species of *Apicalia* (n. gen.), *Crypta*, *Cyrella*, *Ethalia*, *Isander*, *Kleinella*, *Mucronalia*, *Scala*, *Turricula*, and *Zeidora*; ADAMS

(27): Notes on the province; ADAMS (28): New species of *Alaba*, *Diala*, and *Styliferina*; ADAMS (29): New species of *Anatomus* and *Sciissurella*; ADAMS (30): New species of *Scaliola*; ADAMS (32): New species of *Siphonalia*; ADAMS (33): Notes on *Umboniidae*, with n. spp. of *Ethalia* and *Teinostoma*; ADAMS (34): On forms of *Onoba*, with n. spp., and *Microstelma dedala*, n. gen. and sp.; ADAMS (35): Review of *Lacunidae*, with n. spp. of *Epheria*, *Lacuna*, and *Stenotis* (n. gen.); ADAMS (36): [See also under China Seas.]

11. Californian Province.

California:—*Navea* (n. gen.) *subglobosa*, n. sp.; GRAY (264): N. spp. of *Patella*, *Patelloidea*, and *Psammobia*; HINDS (325): *Ranella californica*, n. sp.; HINDS (325A).

California (?):—*Tedinia pernoidea*, n. gen. and sp.; GRAY (275).

12. Panamic Province.

Mazatlan:—*Tyleria fragilis*, n. gen. and sp.; ADAMS (43).

Veragua:—*Phos veraguensis*, n. sp.; HINDS (325A).

Panama:—*Phos crassus*, n. sp.; HINDS (325A).

Gulf of Nicoya:—N. spp. of *Conus* and *Mitra*; HINDS (325A).

13. Peruvian Province.

Peru:—*Chiton fimbriatus*, n. sp.; SOWERBY (493).

14. Antarctic Province.

South America:—N. spp. of *Mulinia*; GRAY (248).

Falkland Is.:—*Chiton atratus*, n. sp.; SOWERBY (493).

Chonos I.:—*Chiton concinnus*, n. sp.; SOWERBY (493).

15. Caribbean Province.

West Indies:—*Triphoris marmoratus*, n. sp.; HINDS (325A): *Pachy- bathron marginelloideum*, n. gen. and sp.; GASKOIN (246).

St Vincent:—N. spp. of *Triphoris*; HINDS (325A): *Pachy bathron cassi- diforme*, n. gen. and sp.; GASKOIN (246).

GEOLOGICAL.

List of fossil *Chitonidae*; KONINCK (389).

British Isles:—N. spp. of *Pachyodon*; BROWN (161).—Lincolnshire: Fossils from various strata of Nettleton Hill; DIKES, Mag. Nat. Hist. n. s. i, p. 561.—Notes on some British shells; TAYLOR (506).—Fossils from Blackdown, Devon; ANON., Mag. Nat. Hist. ii, p. 294.—Relative antiquity of the genera of British Fossils; TAYLOR (505).

1. POST-TERTIARY.

British Isles:—Shells from Preston; R. C. T., Mag. Nat. Hist. iii, pp. 170 & 171.—Fossils near Stutton; WOOD, Mag. Nat. Hist. vii, pp. 274 & 275.—*Valvata* and *Planorbis* at Copford; BROWN, Mag. Nat. Hist. vii, p. 436.—Shells from Copford; BROWN, Mag. Nat. Hist. ix, p. 431.—Com-

parison of *Cyrena*, *Valvata*, and *Unio* from Grays with recent species; SOWERBY (492).—Shells from deposit at Grays; MORRIS, Mag. Nat. Hist. ix, p. 261.—Shells from Grays, Erith, &c.; MORRIS, Mag. Nat. Hist. n. s. ii, p. 544.—Shells from deposit at Clacton, with n. spp. of *Helix* and *Planorbis*; BROWN (166).

2. TERTIARY.

British Isles:—Catalogue of Fauna, with new names (undescribed) and n. spp. of *Adeorbis* (n. gen.), *Alvania*, *Bulla*, *Cleodora*, *Litiopa*, *Macromphalus* (n. gen.), *Marsenia*, *Natica*, *Phasianema*, *Solariella* (n. gen.), and *Turbo* (?); WOOD (547).—Catalogue of species, with new names but no diagnoses; WOOD (546A).—Unpublished shells; W., S. V. (531).—*Cyrena trigonula*, n. sp., Stutton; WOOD, Mag. Nat. Hist. vii, p. 275, fig.—Shells from Bridlington Quay; BEAN (84).—Note on deposits in Norfolk and Suffolk; LYELL, Mag. Nat. Hist. n. s. iii, p. 313.—New species of *Lima* from Suffolk; WOOD (543).—Species of *Bulla*, with n. spp., from Suffolk; WOOD (544).—N. spp. of *Arca*, *Pleurodon* (n. gen.), and *Pectunculus*; WOOD (545).—Species of *Nucula*, with n. spp.; WOOD (546).—*Atractodon elegans*, n. gen. and sp.; CHARLESWORTH (179).—Fossils from Bracklesham; BOWERBANK, Mag. Nat. Hist. n. s. iv, p. 23.—Notes on fossils from Isle of Wight; WRIGHT (557).—Fossils from Barton and Hordwell; WRIGHT (559).

Europe:—*Nematura fossilis*, n. sp., Paris Basin; SOWERBY (488).—Notes on Fossils from Malta, with *Scalaria duciei*, n. sp.; WRIGHT (560).

America:—Barbados: N. spp. of *Nucula* and *Scalaria*; SCHOMBURGK (484).

3. SECONDARY.

Notes on *Ammonites* from Transition formations of the Rhine, with n. spp.; BEYRICH (157).—Notes on *Orthoceras*; JUKES (377).—Lists of fossils from Haresfield Hill, &c., Cotteswolds; LYCETT (414).—Isle of Man: Fossils from mountain Limestone at Poolvash; GILBERTSON, Mag. Nat. Hist. viii, pp. 119 & 120.

Cretaceous:—Characteristic fossils; BUCH (168).—Upper Greensand: New species of *Acmaea*, *Cerithium*, *Cinulia*, *Crepidula*, *Funis* (n. gen.), *Fusus*, *Galericulus* (n. gen.), *Mesochilotoma* (n. gen.), *Nerita*, *Pleurotomaria*, *Pteroceras*, *Pterodontu*, *Pyrula*, *Scalaria*, *Solarium*, *Stomatodon* (n. gen.), *Tornatella*, *Trochus*, and *Turboidea* (n. gen.), from Cambridge; SEELEY (486).—Pelecypoda from Cambridgeshire, with n. spp. of *Anomia* (?), *Arca* (?), *Hinnites*, *Nucula*, *Ostrea*, *Pecten*, *Perna*, and *Trigonia*; SEELEY (485).—*Solarium binghami*, n. sp., Dorchester; BAILY (78).—Few fossils from the Red Limestone of Hunstanton; SEELEY, (3) vii, p. 244.—*Nautilus saxbii*, n. sp., Isle of Wight; MORRIS (441).

Jurassic:—Cornbrash fossils from Scarborough, with n. spp. of *Amphidesma*, *Anomia*, *Bulla*, *Cardium*, *Isocardia*, and *Littorina*; BEAN (87).—Scarborough: N. spp. of *Unio*; BEAN (86).—Fossils from near Cirencester; BUCKMAN (169).—*Modiola* found in *Lithodomus* at Bath; JELLY (366).—*Platymya rodborensis*, n. sp., Gloucestershire; LYCETT (407).—Fauna of Minchinhampton; LYCETT (404).—General remarks on fauna of Minchinhampton; LYCETT (403).—Cotteswolds: N. spp. of *Trichites*; LYCETT (405).—Gloucestershire: Lists of fossils with nom. nud. and n. spp. of *Acteonina*, *Arca*, *Astarte*, *Cardium*, *Ceritella* (n. gen.), *Chemnitzia*, *Corbis*, *Corbula*, *Cucullea*, *Cylindrites*, *Cypricardia*, *Cytherea*, *Delphinula*, *Dreissena*, *Emarginula*, *Eulima*, *Fissurella*, *Fusus*, *Gervillia*, *Hiatella*, *Hinnites*, *Lima*, *Lithodomus*, *Littorina*, *Mytilus*, *Natica*, *Nerita*, *Opis*, *Panopæa*, *Patella*, *Pecten*, *Phasianella*, *Pinna*, *Placuna*, *Pleurotomaria*, *Plicatula*, *Pteroperna*

(n. gen.), *Ptychomya*, *Rimula*, *Rissoina*, *Rostellaria*, *Scalaria*, *Solarium*, *Tancredia*, *Trigonia*, *Trochotoma*, *Trochus*, and *Turbo*; LYCETT (406).—*Pteroceras wrightii*, n. sp. from Minchinhampton; LYCETT (558).—Cotteswolds: *Gryphaea buckmanni*, n. sp.; LYCETT (408).—Stroud: *Tancredia donaciformis*, n. sp.; LYCETT (409).—New species of *Trigonia* from Cotteswolds; LYCETT (410).—Occurrence of *Isodonta* in Yorkshire; LYCETT (415).—N. spp. of *Ancylloceras* from Bridport and Chippenham; MORRIS (440).—Few fossils from the Elsworth Rock, Cambridge; SEELEY, (3) x, p. 97.—N. spp. of *Ammonites* near Chippenham; PRATT (463).—Fossils from Foxcote; R. C. T., Mag. Nat. Hist. iii, pp. 159 & 160.—Yorkshire: *Pachyodon lanceolata*, n. sp.; STUTCHBURY (504).—Notes on fossils from near Oxford, with n. spp. of *Ceritella*, *Cylindrites*, *Lima*, *Littorina*, *Modiola*, and *Placunopsis*; WHITEAVES (540).—Occurrence of *Conoteuthis* near Folkestone; WOODWARD (553).—Notes on *Strombidae*; WRIGHT (558).

Lias:—Fossils from Gloucestershire, with n. spp. of *Ammonites*, *Placunopsis*, and *Tancredia*; LYCETT (416).—N. spp. of *Conus* from Normandy; LYELL (417).—*Belemnites bouchardi*, n. sp., France; MORRIS (442).—*Avicula longicostata*, n. sp., Somerset; STUTCHBURY (503).—England: N. spp. of *Pachyodon* (n. gen.); STUTCHBURY (504).

4. PRIMARY.

Palæozoic:—Fossils from New South Wales, with n. spp. of *Bellerophon*, *Cardinia*, *Conularia*, *Euomphalus*, *Inoceramus*, *Modiola*, *Notomya* (n. gen.), *Pachydomus*, *Pecten*, *Pleurorhynchus*, *Pleurotomaria*, *Pullastra*, and *Venus*; McCOY (427).—Britain: New species of *Capulus* (?), *Ecylomphalus*, *Euomphalus*, *Maclureia*, *Murchisonia*, *Pleurotomaria*, and *Sanguinolites*; McCOY (432).

Permian:—Occurrence of *Chiton* in Durham; KING (385).—Critical notes on fossils from Durham and Northumberland, with n. spp. of *Edmondia*, *Solemya*, *Tellina*, and *Theca* (?); HOWSE (328).

Carboniferous:—Newcastle on Tyne: *Anthracosia beanii*, n. sp.; KING (388).—England: New species of *Cardiomorpha*, *Edmondia*, *Lithodomus*, *Macrochilus*, *Murchisonia*, *Nautilus*, *Orthoceras*, *Pinna*, *Pleurotomaria*, and *Straparollus*; McCOY (433).—England: N. spp. of *Aviculopecten* (n. gen.), *Leptodomus*, *Pteronites*, and *Sanguinolites*; McCOY (429).—Few fossils from near Bristol, with n. spp. of *Euomphalus* and *Pleurotomaria*; STODDART (496).

Devonian:—New species of *Clymenia*, *Cyrtoceras*, and *Leptodomus* from S. of England; McCOY (431).

Silurian:—Occurrence of *Cryptoceras* in Canada; CHAPMAN (176).—Notes on fossils from Kirkcudbright Bay; HARKNESS (321).—Dudley: Reprinted diagnoses of n. spp. of *Chiton*; KONINCK (389).—N. spp. of *Ambonychia* (?), *Anodontopsis* (n. gen.), *Arca*, *Avicula* (?), *Bellerophon*, *Clidophorus*, *Cycloceras*, *Dolabra*, *Holopella* (n. gen.), *Leptodomus*, *Littorina*, *Loxonema*, *Modiolopsis*, *Orthoceras*, *Phragmoceras*, *Poterioceras*, *Pterinea*, *Sanguinolites*, *Tellinites*, *Tellinomya*, *Trochus*, and *Turbo*, British Isles; McCOY (428).—N. spp. of *Cytheropsis* and *Holopella*, Britain; McCOY (430).

III. SYSTEMATIC.†

Classification of the British Mollusca; LEACH (392): On nomenclature; MORCH (439): Structure of the shell; CARPENTER, xii, p. 377; xiii, p. 486: *Thelidomus*, Swainson, is not a Mollusc; GRAY, v, p. 257: General account of the Mollusca; J., G. (331): On the homologies of Mollusca; GRAY (267).

I. CEPHALOPODA.

Hectocotylus formation; STEENSTRUP (494): Classification of 'Chambered Cephalopods'; CHAPMAN (176).

DIBRANCHIATA.

Argonauta, notes on; DUMERIL & BLAINVILLE, Mag. Nat. Hist. n. s. i, p. 393: see also CHARLESWORTH, t. c. p. 526; POWER, op. cit. iii, p. 148; RANG, t. c. p. 521: On the male; MÜLLER (445).
†*Belemnites* and *Belemniteuthis*, structure; MANTELL (436).
†*Belemnites bouchardi*, Lias, France; MORRIS, (2) x, p. 355, fig.: n. sp.
†*Conoteuthis*, occurrence in Gault of Folkestone; WOODWARD (553).
Octopus vulgaris, note on habits; POWER, (2) xx, p. 336.
Ommastrephes todarus, nervous system; HANCOCK, (2) x, p. 1.
Spirula, animal; GRAY, xv, pp. 257, 444.

AMMONEA.

†*Ammonites lateseptatus*, p. 13, *dannenbergi*, p. 14, *multilobatus*, p. 156, *æquabilis*, p. 157, *carinatus*, p. 158, *intumescens*, *orbiculus*, p. 159, *calculiformis*, p. 160, Transition formations of the Rhine; BEYRICH, iii, figg.: †*A. elizabethæ*, p. 162, *comptoni*, *stutchburii*, *sedgwickii*, p. 163, *lonsdalii*, *fluctuosus*, *brightii*, p. 164, Oxford Clay near Chippenham; PRATT, viii, figg.: †*A. ilminstrensis*, Lias, Gloucestershire; LYCETT, (3) ii, p. 260: n. spp.
†*Ancycloceras calloviensis*, p. 32, Kelloway Rock, Chippenham, *costatus*, *waltoni*, p. 33, Inferior Oolite, Bridport; MORRIS, xv, figg.: n. spp.
†*Clymenia quadrifera*, p. 487, *pattisoni*, p. 488, Devonian, S. of England; McCoy, (2) viii: n. spp.
†*Cycloceras tenuiannulatum*, Silurian, British Isles; McCoy, (2) vii, p. 46: n. sp.
†*Cyrtoceras subornatum*, Devonian, Devon; McCoy, (2) viii, p. 489: n. sp.
†*Orthoceras annularis* and *striata*, notes on; JUKES, Mag. Nat. Hist. ii, p. 231.
†*Orthoceras politum*, Silurian, British Isles; McCoy, (2) vii, p. 46: †*O. (Cycloceras) flemingi*, (? *Poterioceras*) *cornuaccinum*, Carboniferous Limestone, Northumberland; McCoy, (2) xii, p. 196: n. spp.
†*Phragmoceras intermedium*, Silurian, British Isles; McCoy, (2) vii, p. 45: n. sp.
†*Poterioceras ellipticum*, Silurian, British Isles; McCoy, (2) vii, p. 45: n. sp.

† is prefixed to fossil forms.

TETRABRANCHIATA.

Classification; KING (383).

Nautilus, anatomy; VALENCIENNES, vii, p. 241: Deposition of shell in; REEVE, xi, p. 119: Anatomy; VROLIK, xii, p. 172: Tentacles of; OWEN, xii, p. 305: Animal; GRAY, (2) vi, p. 269, fig.: Anatomy; HOEVEN (326): †*N. frieslebeni*, Geinitz, figd.; HOWSE, (2) xix, p. 471: †*N. ziczag*, probably forms a distinct genus; CHARLESWORTH, Mag. Nat. Hist. n.s. i, p. 533.
 †*Nautilus saxbii*, Lower Greensand, Isle of Wight; MORRIS, (2) i, p. 106, fig.: †*N. (?) costatocoronatus*, p. 194, Northumberland, *tuberosus*, p. 195, Derbyshire; McCox, (2) xii: n. spp.

II. GASTROPODA.

Operculum represents the second valve of a Pelecypod; GRAY (262): On the Classification of many Families; GRAY (269): Radula of 'Pneumonobranchiate' Molluscs; GRAY (278): Respiration in Gastropods; WILLIAMS (541).

PULMONATA.

Classification of Land Pulmonata; GRAY (307).

STYLOMMATOPHORA.

TESTACELLIDÆ and SELENITIDÆ.

Some forms placed in *Zonitidæ* under heading *Helix* may belong here.

Ennea stenopylis, Darjiling; BENSON, (3) v, p. 460: n. sp.

Helix bombax [*Streptaxis*], Tenasserim; BENSON, (3) iii, p. 186: *H. busbyi*, *dunniae*, New Zealand; GRAY, vi, p. 317: n. spp.

Pupa (*Ennea*) *vara*, Khasia Hills; BENSON, (3) iii, p. 188: n. sp.

Streptaxis, n. gen., with no named type, for *S. maugeræ*, *nobilis*, Sierra Leone, n. spp., and others; GRAY, Mag. Nat. Hist. n.s. i, pp. 485, 486, figg.

Streptaxis layardiana, p. 90, *cingalensis*, p. 91, Ceylon; BENSON, (2) xii: *S. theobaldi*, Khasia Hills; BENSON, (3) iii, p. 187: *S. sankeyi*, Tenasserim; BENSON, (3) iii, p. 472: *S. andamanica*, Andamans; BENSON, (3) vi, p. 192: n. spp.

Testacella, notes on; LUKIS, Mag. Nat. Hist. vii, p. 224: Also J. D., t. c. p. 226: *T. scutulum*, notes on; BLAIR, Mag. Nat. Hist. vi, pp. 43 & 44: Also J. D., t. c. pp. 44-46.

LIMACIDÆ, ZONITIDÆ, and PHILOMYCIDÆ.

Durgella, n. subgen. of *Nanina* for *N. levicula*, Bens., and others; BLANFORD, (3) xi, p. 84.

Helix, notes on Indian forms; BENSON, (2) ii, pp. 162-164: On Indian species; BLANFORD, (3) xi, p. 81: *H. petrosa*, Hutton, equals *H. vitrinoides*, Desh.; BENSON, (2) ii, p. 163: *H. barclayana* is a synonym of *Gibbus pagodus*; BENSON, (2) ii, p. 163: *H. oxytes*, Bens., note on; BENSON, (2) v, p. 215: *H. vesicula*, Bens., note on; BENSON, (2) ix, p. 406: *H. pylarica*, animal; BENSON, (3) iv, p. 95.

Helix naninoides, Chusan; BENSON, ix, p. 486: *H. orobia*, p. 158, *solata*, p. 159, *infula*, p. 160, India, *trotteriana*, S. Africa, p. 161; BENSON, (2) ii: *H. ampulla*, p. 213, *cacuminiifera*, *crinigera*, *acuducta*, p. 214, India, *regalis*, Borneo, p. 215, *cotyledonis*, p. 216, Cape of Good Hope; BENSON, (2) v: *H. baxoni*, *orcula*, p. 251, India, *barclayi*, p. 252, Mauritius, *munda*, South Africa, p. 253; BENSON, (2) vi: *H. remota*, St Helena; BENSON, (2) vii, p. 263: *H. (Lucilla) scintilla*, (*Janulus*) *calathus*, Madeira; LOWE, (2) ix, p. 115: *H. cysis*, p. 404, *thyreus*, *bidenticulata*, p. 405, *lecythis*, p. 406, *subjecta*, p. 407, India; BENSON, (2) ix: *H. cycloplax*, *tugurium*, p. 348, *castra*, Darjiling, *lychnia*, Singapore, *lubrica*, Darjiling, p. 349; BENSON, (2) x: *H. suffulta*, *albidens*, Mauritius; BENSON, (2) xi, p. 31: *H. ceraria*, p. 91, *puteolus*, *mononema*, *marcida*, p. 92, *vilipensa*, *perfucata*, p. 93, Ceylon; BENSON, (2) xii: *H. galerus*, Ceylon; BENSON, (2) xviii, p. 96: *H. pylaica*, *artificiosa*, p. 249, *capessens*, *convallata*, p. 250, *pansa*, *textrina*, p. 252, Burma, *laidlayana*, India, p. 253; BENSON, (2) xviii: *H. tollini* (Albers), Cape of Good Hope; BENSON, (2) xviii, p. 436: *H. caldwelli* (Barclay MS), p. 98, *setiliris*, p. 99, Mauritius; BENSON, (3) iii: *H. ceryx*, *attegaia*, *arx*, p. 184, *cassidula*, Tenasserim, *bascauda*, p. 186, *diplodon*, p. 187, Khasia Hills; BENSON, (3) iii: *H. macropleuris*, *corys*, p. 265, *rimicola*, *rorida*, p. 266, *hodgsoni* (Blanford MS), *seposita*, p. 267, *calpis*, p. 268, *camura*, *ornatissima*, p. 269, *sequax*, *patanae*, p. 270, Darjiling; BENSON, (3) iii: *H. petasus*, *causa*, Burma, *galea*, Khasia Hills, p. 388, *molecula*, *forabilis*, *acerra*, p. 389, *perpaula*, *paucicillula*, p. 390, *levicula*, p. 391, Burma, (*climacterica* var. ?) *nana*, Khasia Hills, p. 392; BENSON (3) iii: *H. calias*, *schistostelis*, Tenasserim; BENSON, (3) iii, p. 473: *H. rosamonda*, p. 381, *cyrix*, p. 382, *cingalensis*, *regulata*, p. 383, *miccyla*, p. 384, Ceylon; BENSON, (3) v: *H. concepta*, p. 190, *pididion*, p. 191, Burma; BENSON, (3) vi: *H. mouhoti* [renamed *cambojiensis*, p. 455], Cambojia; REEVE, (3) vi, p. 203: *H. basileus*, S. India, p. 81, *hyba*, N. India, *choinix*, p. 83, *stephus*, *sanis*, p. 84, Andamans, *cantioriana*, p. 85, Pulo Penang; BENSON, (3) vii: *H. (Crystallus) vermiculum*, (*Lucilla*) *putrescens*, Canaries; LOWE, (3) vii, p. 104: *H. aulopsis*, p. 318, Andamans, *aspides*, *fritillata*, Burma, *phyllophila*, Ceylon, p. 320; BENSON, (3) xi: *H. haughtoni*, Andamans, *gordonix*, Burma, p. 88, *cyclotrema*, N. India, p. 89; BENSON, (3) xi: n. spp.

Inciliaria, n. gen. for *I. bilineata*, n. sp., Chusan; BENSON, ix, p. 486.

Janulus, n. sect. of *Helix*, type *H. calathus*, n. sp.; LOWE, (2) ix, p. 115.

Kaliella, n. subgen. of *Nanina* for *N. fastigiata*, Hutt., and others; BLANFORD, (3) xi, p. 83.

Limax, note on radula; GRAY, (3) i, p. 464: *L. variegatus*, *soverbyi*, notes on; ANON., Mag. Nat. Hist. viii, pp. 80 & 81: *L. soverbyi*, notes on; DENSON, Mag. Nat. Hist. v, p. 693; vi, p. 46.

Lucilla, n. sect. of *Helix*, type *H. scintilla*, n. sp.; LOWE, (2) ix, p. 115.

Nanina, on Indian species; BLANFORD, (3) xi, p. 81.

Sivella, n. subgen. of *Helix* for *H. castra*, Bens., and *lychnia*, Bens.; ADAMS, (3) xi, p. 86.

Sophina, n. sect. of *Helix* for *H. forabilis* and *calias*; BENSON, (3) iii, p. 473: Amended characters of genus and species; BENSON, (3) v, p. 26: Animal; BENSON, (3) xi, p. 323.

Vitrina glacialis, Alps; FORBES, Mag. Zool. Bot. i, p. 258, fig.: *V. edgariana*, *membranacea*, Ceylon; BENSON, (2) xii, p. 93: *V. behni*, Madeira; LOWE, (2) ix, p. 112: *V. scutella*, p. 188, *salius*, p. 189, Khasia Hills; BENSON, (3) iii: *V. planospira*, Darjiling; BENSON, (3) iii, p. 271: n. spp.

Zonites excavatus, animal; JEFFREYS, (3) x, p. 76.

ARIONIDÆ.

Geomalacus, n. gen. for *G. maculosus*, n. sp., Ireland; ALLMAN, xvii, p. 297.

ENDODONTIDÆ.

Helix vorticialis, Cape of Good Hope; BENSON, (2) v, p. 216: *H. paludicola*, p. 253, *raripectata*, p. 254, South Africa; BENSON, (2) vi: *H. bisculpta*, p. 103, *perplicata*, p. 104, *petrobia*, *sabuletorum*, p. 105, Cape of Good Hope; BENSON, (2) vii: *H. (Euromphala) gueriniana*, Madeira; LOWE, (2) ix, p. 115: *H. cygnea*, *sublesta*, W. Australia; BENSON, (2) xi, p. 30: *H. micropneuros*, Montpellier; PAGET, (2) xiii, p. 454: *H. charybdis*, Cape of Good Hope; BENSON, (2) xviii, p. 436: *H. (Euromphala) concinna*, Canaries; LOWE, (3) vii, p. 105: *H. calathoides* (Paiva MS), Madeira; LOWE, (3) xii, p. 338: n. spp.

HELICIDÆ.

Actinella, n. sect. of *Helix*, type *H. stellaris*, n. sp.; LOWE, (2) ix, p. 118.
Bulinus maconelli, Moreton Bay; REEVE, (2) xii, p. 149: *B. fuscoventris*, *rufopictus*, Ceylon; BENSON, (3) xviii, p. 96: *B. cambojiensis*, Cambojia; REEVE, (3) vi, p. 204: n. spp.
Caseolus, n. sect. of *Helix*, type *H. sphaerula*, n. sp.; LOWE, (2) ix, p. 115.
Corilla, notes on; BENSON, (3) vi, p. 98.
Coronaria, n. sect. of *Helix* for *H. coronula*, *juliformis*, n. spp.; LOWE, (2) ix, p. 117.
Craspedaria, n. sect. of *Helix*, type *H. delphinula*, n. sp.; LOWE, (2) ix, p. 117.
Discula, n. sect. of *Helix* for *H. pulvinata* and others; LOWE, (2) ix, p. 116.
Ganesella, n. subgen. of *Helix* for *H. capitum*, Bens., and *variola*, Bens.; BLANFORD, (3) xi, p. 86.
Helicidæ, notes on; PFEIFFER, v, p. 238; GRAY, v, p. 243: *H. aspersa*, monstrosity; WOODWARD, (2) xvi, p. 298: *H. achatina*, animal; BENSON, (3) iv, p. 95: Notes on species with internal laminae (*Plectopylis*); BENSON, (3) v, p. 243: *H. retifera*, Pfr., is a *Plectopylis*; BLANFORD, (3) vii, p. 244.
Helix constantina, p. 251, *otthiana*, p. 252, Bougia; FORBES, ii, figg.: *H. ravida*, Chusan; BENSON, ix, p. 486: *H. crassicosata*, p. 159, *capitum*, p. 160, *radicicola*, p. 161, India; BENSON, (2) ii: *H. (Leptaxis) membranacea*, p. 112, (*L. hyæna*, (*L. fluctuosa*, (*L. psammophora*, (*L. craticulata*, (*L. vulcania*, (*L. leonina*, (*Xerophila*) *armillata*, p. 113, (*Theba*) *ustulata*, (*Plebecula*) *giramica*, (*P.*) *vulgata*, (*P.*) *canicalensis*, (*Irus*) *laciniosa*, (*I.*) *squalida*, (*Spirorbula*) *latens*, p. 114, (*Hispidella*) *armitageana*, (*Caseolus*) *sphaerula*, p. 115, (*Discula*) *pulvinata*, (*D.*) *attrita*, (*D.*) *senilis*, (*D.*) *tabellata*, (*D.*) *poromphala*, (*D.*) *lincta*, (*D.*) *papilio*, p. 46, (*D.*) *discina*, (*D.*) *testudinalis*, (*Tectula*) *tyelliana*, (*T.*) *albersii*, (*Craspedaria*) *delphinula*, (*Coronaria*) *coronula*, p. 117, (*C.*) *juliformis*, (*Placentula*) *spirobis*, (*P.*) *ficilis*, (*P.*) *micromphala*, (*Actinella*) *stellaris*, (*Rimula*) *obscurata*, p. 118, (*Iberus*) *wollastoni*, Madeira; LOWE, (2) ix: *H. plectilis*, p. 29, *tescorum*, West Australia, p. 30; BENSON, (2) xi: *H. launcestonensis*, Tasmania; REEVE, (2) xiii, p. 349: *H. hariola*, *bifoveata*, p. 251, *bolus*, p. 252, Burma; BENSON, (2) xviii: *H. catinus* [renamed *cyclaspis*, p. 273], Tenasserim, *oldhami*, Burma; BENSON, (3) iii, p. 185: *H. pinacis*, p. 268, *radicicola*, Darjiling; BENSON, (3) iii, p. 271: *H. acris*, Khasia Hills; BENSON, (3) iii, p. 387: *H. scapturita*, Burma; BENSON, (3) iii, p. 391: *H. (Plectopylis*, n. sect.) *leiophis*, Burma; BENSON, (3) v, p. 246: *H. (Coronaria) delphinuloides*,

Madeira; LOWE, (3) vi, p. 44, fig.: *H. ochthoplax*, p. 190, Burma, *helferi*, Andamans, p. 191, *peguensis*, p. 192, Burma; BENSON, (3) vi: *H. trochalia*, Andamans; BENSON, (3) vii, p. 82: *H. (Hispidella) nubigena*, p. 105, (*H.*) *deusta*, (*Actinella*) *torrefacta*, p. 106, (*Discula*) *pulverulenta*, (*Turricula*) *miranda*, p. 107, (*Iberus*) *berkeleyi*, (*Macularia*) *plutonia*, p. 108, (*M.*) *saponacea*, (*Mycena*) *psathyra*, p. 109, (*M.*) *paivana*, (*M.*) *valverdensis*, p. 110, (*M.*) *manriqueana*, (*M.*) *spumosa*, p. 111, Canaries; LOWE, (3) vii: *H. tetrica* (Paiva), Madeira; LOWE, (3) x, p. 95: *H. hemiopta*, p. 318, Andamans, *scenoma*, *brachyplecta*, p. 319, Burma; BENSON, (3) xi: †*H. conoidea*, Post-Tertiary, Clacton; BROWN, vii, p. 429: n. spp.

Hispidella, n. sect. of *Helix*, type *H. armitageana*, n. sp.; LOWE, (2) ix, p. 115.

Irus, n. sect. of *Helix* for *H. laciniosa*, *squalida*, n. spp.; LOWE, (2) ix, p. 114.

Leptaxis, n. sect. of *Helix* for *H. membranacea*, n. sp., and others; LOWE, (2) ix, p. 112.

Pfeifferia, n. gen., type *Helix micans*, Pfr.; GRAY, (2) xii, p. 412.

Placentula, n. sect. of *Helix* for *H. spirorbis*, n. sp., and others; LOWE, (2) ix, p. 118.

Plebecula, n. sect. of *Helix* for *H. giramica*, n. sp., and others; LOWE, (2) ix, p. 114.

Plectopylia, n. sect. for *Helix achatina*, Gray, and others; BENSON, (3) v, p. 244.

Rimula, n. sect. of *Helix*, type *H. obserata*, n. sp.; LOWE, (2) ix, p. 118.

Spirorbula, n. sect. of *Helix*, type *H. latens*, n. sp.; LOWE, (2) ix, p. 114.

Tectula, n. sect. of *Helix* for *H. lyelliana*, *albersii*, n. spp.; LOWE, (2) ix, p. 117.

ORTHALICIDÆ and BULIMULIDÆ.

Bulinus, distribution of; REEVE, (2) i, p. 270: Geographical distribution of genus; REEVE, (2) vii, p. 241.

Bulinus relegatus, subfossil, St Helena, *sinensis*, China; BENSON, (2) vii, p. 264: *B. baconi*, West Australia; BENSON, (2) xiii, p. 99: n. spp.

BULIMINIDÆ, CYLINDRELLIDÆ, and PUPIDÆ.

Alvearella, n. sect. of *Pupa* for *P. cassidula*, n. sp., and others; LOWE, (2) ix, p. 277.

Bulinus terverii (Dupotet MS), Bougia; FORBES, ii, p. 253, fig.: *B. panos*, Ceylon; BENSON, (2) xii, p. 94: *B. arenicola*, Cape of Good Hope, p. 433, *gemma*, St Vincent, p. 434; BENSON, (2) xviii: *B. domina*, *salsicola*, *estellus*, p. 327, *peritica*, India, *sanguineus* (Barclay MS), Mauritius, *physalis*, p. 328, *pleurophorus*, India, *theobaldianus*, Tenasserim, p. 329, *putus*, Burma, p. 330; BENSON, (2) xix: *B. vesiculatus*, Mauritius; BENSON, (3) iii, p. 99: *B. benjamiticus* (Roth MS), Jerusalem; BENSON, (3) iii, p. 393: *B. stalix*, Ceylon; BENSON, (3) xi, p. 322: n. spp.

Clausilia, note on; PFEIFFER, v, p. 240; GRAY, v, p. 243: *C. mortilleti*, note on; SCHMIDT, (2) xvii, p. 10: *C. mortilleti* probably equals *C. rolphii*; JEFFREYS, (2) xviii, p. 185; BENSON, t. c. p. 424: *C. bulbosus* and *vespa*, notes on; BENSON, (3) xii, p. 428.

Clausilia pluvialis, p. 486, *oculus*, p. 487, Chusan; BENSON, ix: *C. moniziana*, Lisbon; LOWE, (2) ix, p. 278: *C. iös*, Darjiling; BENSON, (2) x, p. 350: *C. ceylanica*, Ceylon; BENSON, (3) xi, p. 89: *C. bulbosus*, Burma; BENSON, (3) xi, p. 321: *C. obesuscula*, Madeira; LOWE, (3) xii, p. 339: n. spp.

- Craticula*, n. sect. of *Pupa* for *P. fusca*, n. sp., and others; LOWE, (2) ix, p. 277.
- Cylindrella*, n. gen. for *Clausilia truncatula*, Lamk., and others; PFEIFFER, v, p. 241; Genus is a synonym of *Siphonostoma*; GRAY, v, p. 243.
- Gastrodon*, n. sect. of *Pupa*, type *P. fanalensis*, n. sp.; LOWE, (2) ix, p. 275.
- Hypselostoma*, n. n. for *Tanystoma*, Benson, nom. præocc.; BENSON, (2) xvii, p. 342.
- Leiostyla*, n. sect. of *Pupa* for *P. vincta*, n. sp., and others; LOWE, (2) ix, p. 276.
- Mastula*, n. sect. of *Pupa*, type *P. lamellosa*, n. sp.; LOWE, (2) ix, p. 278.
- Paludinella*, n. sect. of *Pupa* for *P. limnæana*, *microspora*, n. spp.; LOWE, (2) ix, p. 275.
- Pupa juniperi*, note on; J. L., Mag. Nat. Hist. ii, p. 293.
- Pupa regia*, China, p. 125, *huttoniana*, *placidens*, p. 126, *brevicostis*, India, p. 127; BENSON, (2) iv: *P. (Paludinella) limnæana*, (*P.*) *microspora*, (*Truncatellina*) *linearis*, (*Gastrodon*) *fanalensis*, p. 275, (*Leiostyla*) *vincta*, (*L.*) *irrigua*, (*L.*) *laurinea*, (*L.*) *laevigata*, (*L.*) *recta*, (*L.*) *macilentia*, p. 276, (*Craticula*) *fusca*, (*C.*) *millegrana*, (*C.*) *ferraria*, (*Alvearella*) *cassidula*, (*A.*) *concinna*, (*A.*) *abbreviata*, (*A.*) *gibba*, p. 277, (*Mastula*) *lamellosa*, (*Staurodon*) *saxicola*, (*S.*) *seminulum*, Madeira; LOWE, (2) ix: *P. muscerda*, p. 94, *mimula*, p. 95, Ceylon; BENSON, (2) xii: *P. rivierana*, Nice; BENSON, (2) xiii, p. 97: *P. halleriana* (Charp. MS), Switzerland; JEFFREYS, (2) xv, p. 27: *P. acarus*, St Vincent, *layardi*, Cape of Good Hope, p. 435; BENSON, (2) xviii: *P. bathyodon*, *planguncula*, p. 426, *diopsis*, *serrula*, *seriola*, p. 427, *himalayana* (Hutton MS), India, *avanica*, Burma, p. 428; BENSON, (3) xii: n. spp.
- Staurodon*, n. sect. of *Pupa* for *P. saxicola*, *seminulum*, n. spp.; LOWE, (2) ix, p. 278.
- Tanystoma*, n. gen. for *T. tubiferum*, n. sp., Burma; BENSON, (2) xvii, p. 130.
- Truncatellina*, n. sect. of *Pupa*, type *P. linearis*, n. sp.; LOWE, (2) ix, p. 275.

STENOGYRIDÆ.

- Achatina*, note on epiphragm; GRAY, vi, p. 159.
- Achatina clavata*, Sierra Leone; GRAY, Mag. Nat. Hist. n.s. i, p. 487: *A. nitidissima*, Algiers and Bougia; FORBES, ii, p. 253, fig.: *A. erecta*, Chusan; BENSON, ix, p. 487: *A. (Cylichnidia) leacociana*, (*C.*) *cylichna*, p. 119, (*Fusillus*) *oryza*, (*F.*) *tuberculata*, (*F.*) *terebella*, (*Acicula*) *producta*, (*Amphorella*) *mitriformis*, p. 120, Madeira; LOWE, (2) ix: *A. veruina*, *pachycheila*, Ceylon; BENSON, (2) xii, p. 94: *A. parabilis*, Ceylon; BENSON, (2) xviii, p. 96: *A. spiculum*, p. 434, St Vincent, *veru*, p. 435, St Helena; BENSON, (2) xviii: *A. serena*, *panætha*, Ceylon; BENSON, (3) v, p. 384: *A. hastula*, *orobia*, p. 461, Darjiling, *prælustrius*, *chessoni*, *notigena*, p. 462, *sarissa*, *pyramis*, *scrutillus*, p. 463, *botellus*, p. 464, *facula*, p. 466, India; BENSON, (3) v: n. spp.
- Amphorella*, n. sect. of *Achatina*, type *A. mitriformis*, n. sp.; LOWE, (2) ix, p. 120.
- Bulimus (Zua) maderensis*, Madeira; LOWE, (2) ix, p. 119: *B. compressulabris*, St Helena; BENSON, (2) xviii, p. 434: n. spp.
- Cylichnidia*, n. sect. of *Achatina* for *A. leacociana*, *cylichna*, n. spp.; LOWE, (2) ix, p. 119.
- Fusillus*, n. sect. of *Achatina* for *A. oryza*, n. sp., and others; LOWE, (2) ix, p. 120.
- Spiraxis haughtoni*, *walkeri*, Andamans, *layardi*, p. 90, *cingalensis*, Ceylon, p. 91; BENSON, (3) xi: n. spp.
- Tornatellina cernica*, Mauritius; BENSON, (2) vi, p. 254: n. sp.

SUCCINEIDÆ, ATHORACOPHORIDÆ, VAGINULIDÆ, and
ONCIDIIDÆ.

- Aneitea*, n. gen. for *A. macdonaldi*, n. sp., Aneiteum; GRAY, (3) vi, p. 196.
Janella, n. gen., type *J. antipodarum*, n. sp., New Zealand; GRAY, (2) xii, p. 414 [not new, cf. p. 413].
Lithotis, n. subgen. of *Succinea*, for *L. rupicola*, n. sp., India; BLANFORD, (3) xii, pp. 186, 327, fig.
Peronia, radula; GRAY (281).
Succinea amphibia and its varieties; COOPER, Mag. Nat. Hist. n. s. ii, p. 476.
Succinea imperialis, St Helena, *orientalis*, China; BENSON, (2) vii, p. 262 : n. spp.
Vaginula maculata, Ceylon; TEMPLETON, (3) i, p. 49, fig. : n. sp.

BASOMMATOPHORA.

AURICULIDÆ, OTINIDÆ, LIMNÆIDÆ and PHYSIDÆ.

- Ancylus oblongus* and *fluviatilis*, animals; CLARK, (2) xv, p. 278.
Ancylus verruca, India; BENSON, (2) xv, p. 12 : n. sp.
Camptoceras, note on genus and *C. terebra*; BENSON, (2) xv, p. 9, fig.
Camptonyx, n. gen. for *C. theobaldi*, n. sp., India; BENSON, (3) i, p. 336, fig. : Is near *Otina*; GRAY, (3) i, p. 406 : Is a good genus; BENSON, (3) iv, p. 318.
Carychium indicum, India; BENSON, (2) iv, p. 194 : n. sp.
Helix hyptiocyclos [*Planorbis*], Ceylon; BENSON, (3) xi, p. 89 : n. sp.
Lutia, note on genus; GRAY (282).
Limnæa ovata, note on; J. L., Mag. Nat. Hist. ii, p. 292 : Effect of volume of water on; WARINGTON, (2) x, p. 273.
Limnæa involutus (Harvey MS) Ireland; THOMPSON, v, p. 22, fig. : *L. lineata*, Scarborough; BEAN, Mag. Nat. Hist. vii, p. 493, fig. : *L. plicatula*, minor, Chusan; BENSON, ix, p. 487 : *L. burnetti*, Scotland; ALDER, (2) ii, p. 396, fig. : n. spp.
Otina, radula; GRAY (281).
Planorbis crista, *nautilæus*, note on; REEVE, (3) xi, pp. 389, 462 : *P. hemisphaerula*, Bens., *umbilicalis*, Bens., *trochoides*, Bens., notes on; BENSON, (2) v, pp. 348-352.
Planorbis metidgensis, Algeria; FORBES, ii, p. 254, fig. : *P. papyraceus*, *hemisphaerula*, Chusan; BENSON, ix, p. 487 : *P. calathus*, p. 348, *cænosus*, *cantori*, p. 349, *labiatus*, *sindicus*, p. 350, *rotula*, p. 351, India; BENSON, (2) v : †*P. helicoides*, Post-Tertiary, Clacton; BROWN, vii, p. 429 : n. spp.
Scarabus, notes on genus; REEVE, ix, p. 218 : *S. castaneus*, note on; REEVE, x, p. 74.
Scarabus lekithostoma, *striatus*, p. 220, *pyramidatus*, p. 221, no localities given; REEVE, ix, figg. : *S. pollex*, Fiji Is.; HINDS, x, p. 82, fig. : n. spp.

GADINIIDÆ.

- Pileopsis garnoti*, Payr., animal; PHILIPPI, iv, p. 90 : Is the type of *Gadinia*; GRAY, iv, p. 305.

OPISTHOBRANCHIATA.

NUDIBRANCHIATA.

Pellibranchiata, new order for *Elysia*, *Limapontia*, *Acteonia*, and *Cenia*; ALDER & HANCOCK, (2) i, p. 405.

Nudibranchiata, classification of; GRAY (270): Anatomy; SOULEYET, xiv, p. 342.

Acteonia is a synonym of *Limapontia*; ALDER & HANCOCK, xiv, p. 128.

Acteoniu corrugata, S. England; ALDER & HANCOCK, (2) i, p. 403, fig. : n. sp.

Alderia, n. gen. for *Stiliger modestus*, Loven; ALLMAN, xvii, p. 4.

Amphorina may be a synonym of *Eolis*; ALDER & HANCOCK, xiv, p. 128.

Antiope, n. gen. for *A. splendida*, n. sp., S. England; ALDER & HANCOCK, (2) i, p. 190: *A. cristata*, D. Ch., of which *A. splendida* is a synonym, anatomy; HANCOCK, (2) viii, p. 25.

Antiope hyalina, British Isles; ALDER & HANCOCK, (2) xiv, p. 105: n. sp.

Bornella hancockana, Ceylon; KELAART, (3) iv, p. 269: n. sp.

Calliopea dendritica, Devon; ALDER & HANCOCK, xii, p. 233: n. sp.

Cenia, n. gen. for *C. cocksi*, n. sp., S. England; ALDER & HANCOCK, (2) i, p. 404, fig.

Coryphella alderi, Japan; ADAMS, (3) viii, p. 140: n. sp.

Crimora, n. gen. for *C. papillata*, n. sp., Guernsey; ALDER & HANCOCK, (3) x, p. 263.

Diphyllidia formosa, Ceylon; KELAART, (3) iii, p. 494: *D. marmorata*, Ceylon; KELAART, (3) iv, p. 269: n. spp.

Doriprismatica festiva, Japan; ADAMS, (3) viii, p. 140: n. sp.

Doris, development; PRACH, xv, p. 445: *D. bilamellata*, Johnston, note on; HASSALL, ix, p. 133.

Doris barvicensis, Berwickshire; JOHNSTON, i, p. 55, fig.: *D. affinis*, p. 85, *sublaevis*, p. 87, fig., *elongata*, p. 88, fig., Ireland; THOMPSON, v: *D. maura*, Scotland; FORBES, v, p. 103, fig.: *D. aspera*, *depressa*, *repanda*, *similis*, Northumberland; ALDER & HANCOCK, ix, p. 32: *D. ulidiana*, Ireland; THOMPSON, xv, p. 312: *D. flammea*, *mera*, British Isles; ALDER & HANCOCK, xiv, p. 330: *D. diaphana*, *pusilla*, *subquadrata*, p. 313, *oblonga*, p. 314, S. of England; ALDER & HANCOCK, xvi: *D. planata*, p. 292, *sparsa*, p. 293; ALDER & HANCOCK, xviii: *D. zelandica*, *millegrana*, p. 102, *proxima*, p. 103, British Isles; ALDER & HANCOCK, (2) xiv: *D. gloriosa*, p. 291, *mac-carthyi*, p. 292, *caelestis*, *funebis*, p. 293, *gleniei*, *leoparda*, *amabilis*, p. 294, *fidelis*, *pretiosa*, p. 295, *nivea*, *marmorata*, *cerisa*, p. 296, *rufopunctata*, *grisea*, *papillosa*, p. 297, *rubra*, *osseosa*, *constantia*, p. 298, *luteola*, *riperina*, *atrata*, p. 299, *atroviridis*, *variabilis*, *exanthemata*, p. 300, *carbunculosa*, p. 301, *intecta*, *lanuginosa*, *spongiosa*, *striata*, p. 302, *corrugata*, *picta*, *bellicosa*, *castanea*, p. 303, Ceylon; KELAART, (3) iii: *D. elizabethina*, *diardi*, p. 267, *lockyerana*, *tennentiana*, *ariponensis*, *humberti*, p. 268, Ceylon; KELAART, (3) iv: n. spp.

Doto cuspidata, Shetland; ALDER & HANCOCK, (3) x, p. 264: n. sp.

Elysia, anatomy; ALLMAN, xvi, p. 145.

Elysia grandifolia, *punctata*, *cærulea*, Ceylon; KELAART, (3) iii, p. 493: n. spp.

Embletonia pallida, British Isles; ALDER & HANCOCK, (2) xiv, p. 105: n. sp.

Eolidia papillosa, notes on; JOHNSTON, Mag. Nat. Hist. viii, p. 376.

Eolidia despecta, *embletoni*, fig., Berwick Bay; JOHNSTON, Mag. Nat. Hist. viii, p. 378: n. spp.

- Eolidina* is only a form of *Eolis*; ALDER & HANCOCK, xiv, p. 125.
- Eolis*, anatomy; HANCOCK & EMBLETON (317); also (2) i, p. 88.
- Eolis rufibranchialis*, Berwick Bay; JOHNSTON, Mag. Nat. Hist. v, p. 428, fig.: *E. rosea, obtusalis, aurantia*, p. 34, *olivacea, hystrix, vittata, pallida*, p. 35, *minuta, nana*, p. 36, Northumberland; ALDER & HANCOCK, ix: *E. stipata*, Devon, p. 233, *pellucida, curta, concinna*, Northumberland, p. 234; ALDER & HANCOCK, xii: *E. alba, farrani*, Dublin, p. 164, *angulata, northumbrica*, p. 165, *gracilis, violacea*, p. 166, Northumberland; ALDER & HANCOCK, xiii: *E. glauca*, p. 314, *inornata, punctata, tenuibranchialis*, p. 315, *amæna, elegans, amethystina*, p. 316, British Isles; ALDER & HANCOCK, xvi: *E. glotensis*, p. 293, *lineata, landsbergii*, p. 294, British Isles: ALDER & HANCOCK, xviii: *E. peachii*, p. 191, *exigua*, p. 192, British Isles; ALDER & HANCOCK, (2) i: *E. carnea, glaucoides, pustulata*, British Isles; ALDER & HANCOCK, (2) xiv, p. 104: *E. husseyi, bicolor*, p. 490, *effulgens, paulinae, tristis, nodulosa*, p. 491, *smedleyi*, p. 492, Ceylon; KELAART, (3) iii: *E. skinneri*, Ceylon; KELAART, (3) iv, p. 270: n. spp.
- Eumenis*, n. gen. for *E. marmorata*, n. sp., British Isles; ALDER & HANCOCK, xvi, p. 311.
- Eumenis flavida*, British Isles; ALDER & HANCOCK, xviii, p. 293: n. sp.
- Euplocamus*, note on genus; FORBES, vi, p. 317.
- Euplocamus frondosus*, p. 88, *cirriger*, p. 89, Italy; PHILIPPI, iv, figg.: *E. plumosus*, Ireland; THOMPSON, v, p. 90, fig.: n. spp.
- Fryeria*, n. gen. for *Phyllidia pustulosa*, Ruppell; GRAY, (2) xi, p. 221.
- Goniodoris*, n. gen. for *G. emarginata*, n. sp., Isle of Man, and others; FORBES, v, p. 104, fig.
- Goniodoris castanea*, Devonshire; ALDER & HANCOCK, xvi, p. 314: n. sp.
- Hydropsyche*, n. gen., doubtfully proposed for *Elysia grandifolia*, n. sp.; KELAART, (3) iii, p. 493 [nom. præocc.].
- Idalia elegans*, Leuckart, note on; ALDER & HANCOCK, (2) xiv, p. 103.
- Idalia pulchella*, British Isles; ALDER & HANCOCK, (2) xiv, p. 103: n. sp.
- Limapontia*, description of unnamed species; ALDER & HANCOCK, xviii, p. 289: *L. nigra*, anatomy; ALDER & HANCOCK (68).
- Limapontia nigra*, Berwick Bay; JOHNSTON, Mag. Nat. Hist. ix, p. 79, fig.: *L. depressa*, Sunderland; ALDER & HANCOCK, (3) x, p. 264: n. spp.
- Melibæa ornata*, Northumberland; ALDER & HANCOCK, ix, p. 34: *M. viridis*, Ceylon; KELAART, (3) iii, p. 488: n. spp.
- Montagua viridis*, Isle of Man; FORBES, v, p. 106, fig.: n. sp.
- Oithona*, n. gen. for *O. nobilis*, n. sp., Falmouth; ALDER & HANCOCK, (2) viii, p. 291.
- Onchidoris leachii*, note on; KELAART, (3) iii, p. 304.
- Phyllidia zeylanica*, Ceylon; KELAART, (3) iii, p. 494: n. sp.
- Polycera quadrilineata*, Mull., note on; ALDER, vi, p. 338.
- Polycera typica*, Ireland; THOMPSON, v, p. 92, fig.: *P. citrina, cristata*, England; ALDER, vi, p. 340, figg: *P. ocellata*, Northumberland; ALDER & HANCOCK, ix, p. 33: *P. (?) ceylonica*, Ceylon; KELAART, (3) iii, p. 489: n. spp.
- Protonotus orientalis*, Ceylon; KELAART, (3) iii, p. 492: n. sp.
- Pterochilus*, n. gen. for *P. pulcher*, n. sp., Scotland; ALDER & HANCOCK, xiv, p. 329.
- Pterochilus viridis*, Ceylon; KELAART, (3) iii, p. 492: n. sp.
- Scyllæa (?) dracena*, Ceylon; KELAART, (3) iii, p. 489: n. sp.
- Tergipes pulcher*, Berwick Bay; JOHNSTON, Mag. Nat. Hist. vii, p. 490, fig.: n. sp.
- Thecacera pennigera*, note on; THOMPSON, (2) xiv, p. 237.
- Thecacera virescens*, Falmouth; ALDER & HANCOCK, (2) viii, p. 290: *T. capitata*, British Isles; ALDER & HANCOCK, (2) xiv, p. 103: n. spp.
- Trevelyana*, n. gen. for *T. ceylonica*, n. sp.; Ceylon; KELAART, (3) i, p. 257, fig.

Triopa, n. gen. for *Doris claviger*, Mull. ; JOHNSTON, i, p. 123 : Notes on ; ALDER, xv, p. 262 : *T. claviger* (?), anatomy ; COLLINGWOOD (224).

Triopa nothus, Scotland ; JOHNSTON, i, p. 124, fig. : n. sp.

Tritonia pinnatifida, note on ; JOHNSTON, Mag. Nat. Hist. viii, p. 61.

Tritonia lactea, Ireland ; THOMPSON, v, p. 88, fig. : *T. felina*, *pulchella*, Northumberland ; ALDER & HANCOCK, ix, p. 33 : *T. lineata*, Scarborough ; ALDER & HANCOCK, (2) i, p. 191 : *T. alba*, British Isles ; ALDER & HANCOCK, (2) xiv, p. 104 : n. spp.

Venilia, n. gen. for *V. mucronifera*, n. sp., Dublin ; ALDER & HANCOCK, xiii, p. 161, fig. [Renamed *Proctonotus*, p. 407].

TECTIBRANCHIATA.

(Including PTEROPODA.)

†*Acteonina ovata*, *tumidula*, Inferior Oolite, England ; LYCETT, (2) vi, p. 418 : n. spp.

Alicula translucens, China, *secalina*, *volvulina*, Japan ; ADAMS, (3) ix, p. 159 : n. spp.

Aplysia nexa, Ireland ; THOMPSON, xv, p. 313, fig. : *A. marmorea*, p. 140, *marginata*, (*Phycophila*, n. subgen.) *euchlora*, p. 141, N. China ; ADAMS, (3) viii : n. spp.

Atys amphorella, China, *scrobiculata*, Japan ; ADAMS, (3) ix, p. 158 : n. spp.

Bulla zonata, Cornwall, p. 352 [Fry of *Scaphander lignarius*], *hyalina*, Newcastle and Cornwall, p. 353 ; TURTON, Mag. Nat. Hist. vii : †*B. undulata*, Cornbrash, Scarborough ; BEAN, Mag. Nat. Hist. n. s. iii, p. 61 : †*B. quadrata*, *catenata*, p. 461, *dilatata*, *ventrosa*, p. 462, *concinna*, p. 463, *subtruncata*, p. 464, *olivula*, p. 465, Coralline Crag, Suffolk ; WOOD, Mag. Nat. Hist. n. s. iii, figg. : †*B. nana*, Coralline Crag, Sutton ; WOOD, ix, p. 461, fig. : n. spp.

Bullæa caurina, Chusan ; BENSON, ix, p. 487 : n. sp.

Bullidæ, animal of ; CLARK, (2) vi, p. 98.

Cavolina, notes on ; ADAMS, (3) iii, p. 44.

†*Cinulia ventricosa*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 293 : n. sp.

†*Cleodora infundibulum*, Coralline Crag, Sutton ; WOOD, ix, p. 459, fig. : n. sp.

†*Conularia torta*, p. 306, *tenuistriata*, p. 307, Palæozoic, N. S. Wales ; MCCOY, xx, figg. : n. spp.

Cyllichna fragilis, Piedmont ; JEFFREYS, (2) xvii, p. 188, fig. : *C. japonica*, p. 150, Korea Strait, *proxima*, *venustula*, Japan, *rimata*, Korea Strait, *latiuscula*, p. 151, *lepidula*, *consobrina*, *parallela*, *assimilis*, p. 152, *pumila*, *candidula*, *inedita*, p. 153, Japan ; ADAMS, (3) ix : n. spp.

†*Cylindrites attenuatus*, *gradus*, *tabulatus*, *mamillaris*, *bulbiformis*, Inferior Oolite, England ; LYCETT, (2) vi, p. 418 : †*C. luidii*, Oolite, nr. Oxford ; WHITEAVES, (3) viii, p. 145, fig. : n. spp.

Diacria, notes on ; ADAMS, (3) iii, p. 45.

Gasteropteron sinense, N. China ; ADAMS, (3) viii, p. 139 : n. sp.

Haminea fulgida, *lucida*, China, p. 155, *strigosa*, Japan, p. 156 ; ADAMS, (3) ix : n. spp.

Hyalæa, review of species ; BENSON, (3) vii, p. 21.

Hyalæa fissilabris, Atlantic ; BENSON, (3) vii, p. 26 : n. sp.

Leuconyx, n. gen. for *L. tyleriana*, n. sp., hab. incert. ; ADAMS, (3) xi, p. 18.

- Philine scalpta, crenata*, p. 160, Japan, *acutangula*, China, *striolata*, p. 161, Japan; ADAMS, (3) ix : n. spp.
- Phycophila*, n. subgen. of *Aplysia* for *A. euchlora*, n. sp.; ADAMS, (3) viii, p. 141.
- Pleurobranchus plumula*, note on; JOHNSTON, Mag. Nat. Hist. vii, p. 348, fig.
- Pleurobranchus zeylanicus, purpureus*, Ceylon; KELAART, (3) iii, p. 495 : n. spp.
- Pleuropus*, notes on; ADAMS, (3) iii, p. 45.
- Roxania punctulata*, Japan; ADAMS, (3) ix, p. 158 : n. sp.
- Runcina hancocki*, radula; GRAY (286).
- Sao lagenula*, N. China; ADAMS, (3) viii, p. 139 : *S. folliculus, phiala, elliptica*, Japan; ADAMS, (3) ix, p. 160 : n. spp.
- Scaphander lignaria*, note on food, &c.; POWER, (2) xx, p. 334.
- Scaphander gibbulus*, Piedmont; JEFFREYS, (2) xvii, p. 188, fig.: *S. japonicus, cumingii*, p. 156, *elongatus*, Japan, *sulcatinus*, Korea Strait, *sieboldii, dilatatus*, Japan, p. 157; ADAMS, (3) ix : n. spp.
- +*Stomatodon*, n. gen. for *S. politus*, n. sp., Upper Greensand, Cambridge; SEELEY, (3) vii, p. 293, fig.
- +*Theca* (?) *kirbyi*, Permian, North England; HOWSE, (2) xix, p. 472, fig. : n. sp.
- +*Tornatella pyrostoma*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 292, fig. : n. sp.
- Tornatina delicatula*, p. 153, *succincta*, p. 154, Japan; ADAMS, (3) ix : n. spp.
- Volvula opalina, spectabilis*, p. 154, *cylindrella, ovulina, radiola, attenuata*, p. 155, Japan; ADAMS, (3) ix : n. spp.

NUCLEOBRANCHIATA.

- Bellerophina recens*, Indian Ocean; ADAMS, (3) viii, p. 403 : n. sp. [*Oxygyrus*].
- Carinaria vitrea*, Lamk., note on; GRAY, vi, p. 239 [Really *C. gracilis*, Reeve].
- Carinaria gracilis*, ? Moluccas; REEVE, ix, p. 140, fig. : n. sp.

PROSOBRANCHIATA.

PECTINIBRANCHIATA.

- Pectinibranchiata*, development; KOREN & DANIELSEN (390).

TOXOGLOSSA.

TEREBRIDÆ, CONIDÆ, CANCELLARIIDÆ, and PLEUROTOMIDÆ.

- Cancellaria (Merica) fischeri*, Japan; ADAMS, (3) v, p. 411 : n. sp.
- Conus*, animal and radula; GRAY (276).
- Conus marchionatus*, Marquesas, *patricius*, Central America, *cœlebs*, Fiji Is.; HINDS, xi, p. 256 : +*C. cadonensis, concavus*, Lias, Normandy; LYELL, vi, p. 296, figg. : n. spp.
- Drillia*, n. gen. for *D. umbilicata*, Sierra Leone, *clathrata*, p. 28, *bicolor suturalis*, p. 29, hab. unknown; GRAY, i : n. spp.
- Fusus branscombi* [*Mangilia*], Devon; CLARK, (2) iv, p. 425 : n. sp.
- Lachesis japonica*, Japan; ADAMS, (3) v, p. 411 : n. sp.

- †*Mesochilotoma*, n. gen. for *M. striata*, n. sp., Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 284, fig.
Pleurotoma bertrandi, Payr., animal ; PHILIPPI, iv, p. 299.
Pleurotoma tenuis, Sierra Leone ; GRAY, i, p. 29 : *P. smithii, coarctata*, Arran ; FORBES, v, p. 107, figg. : *P. trevillianum*, Scarborough ; TURTON, Mag. Nat. Hist. vii, p. 351 : *P. farrani, ulidiana*, Ireland ; THOMPSON, xv, p. 316, figg. : *P. scabrum*, British Isles ; JEFFREYS, xix, p. 311 : n. spp.

RACHIGLOSSA.

OLIVIDÆ, HARPIDÆ, MARGINELLIDÆ, VOLUTIDÆ, and MITRIDÆ.

- Cymbiola*, note on ; GRAY, (2) xiii, p. 346.
Marginella albina, N. W. Australia, *albanyana*, East Africa, p. 358, *rufula*, hab. query, p. 359 ; GASKOIN, (2) xi : n. spp.
Melo, list of species ; REEVE (476).
Mitra, on radula ; GRAY (274).
Mitra belcheri, Central America ; HINDS, xi, p. 255 : n. sp.
Pachybatron, n. gen. for *P. cassidiiforme*, St Vincent, p. 356, *marginelloideum*, West Indies, p. 357 ; GASKOIN, (2) xi : n. spp.
Turricula (Costellaria) pyramidella, Japan ; ADAMS, (3) ix, p. 297 : n. sp.
†*Voluta lamberti* is probably not a recent species, with fig. ; CHARLESWORTH, Mag. Nat. Hist. n. s. i, pp. 35, 90.
Voluta norrisii, hab. unknown ; GRAY, i, p. 414 : *V. sophia*, North Australia ; GRAY, xviii, p. 431 : n. spp.
Volutella, note on ; GRAY, (2) xiii, p. 346.
Yetus, list of species : REEVE (476).

FASCIOLARIIDÆ, TURBINELLIDÆ, BUCCINIDÆ, NASSIDÆ,
COLUMBELLIDÆ, MURICIDÆ, and CORALLIOPHILIDÆ.

- †*Atractodon elegans*, Pliocene, Suffolk ; CHARLESWORTH, Mag. Nat. Hist. n. s. i, p. 218, fig. : n. gen. and sp.
Buccinum [Nassa] reticulatum, spawn ; PEACH, xv, p. 446 : *B. undatum*, new varieties ; KING, xviii, p. 248 : *B. undatum*, variation of ; HANCOCK, xix, p. 150 ; KING, xix, p. 336 : Bi-operculate specimens ; JEFFREYS, (3) vi, p. 152.
Buccinum hydrophanum, p. 325, *tenebrosum*, p. 327, *sericatum*, p. 328, *grenlandicum*, p. 329, Davis Strait ; HANCOCK, xviii, figg. : *B. japonicum*, Japan ; ADAMS, (3) viii, p. 135 : n. spp.
Clea annesleyi, Travancore ; BENSON, (3) vi, p. 258 : n. sp.
Cyllene, animal ; ADAMS, (3) ix, p. 297.
Cyrtulus, n. gen. for *C. serotinus*, n. sp., Marquesas ; HINDS, xi, p. 256.
Demoulia, n. gen. for *D. pulchra*, n. sp., Sierra Leone ; GRAY, i, p. 29.
Fusus norvegicus and *turtoni*, egg-capsules ; HOWSE, xix, p. 160.
Fusus elegans, p. 27, *niveus*, p. 28, Sierra Leone ; GRAY, i : *F. fenestratus*, Cork ; TURTON, Mag. Nat. Hist. vii, p. 351 : *F. turtoni*, Scarborough ; BEAN, Mag. Nat. Hist. vii, p. 493, fig. : *F. berniciensis*, Northumberland ; KING, xviii, p. 248 : *F. pellucidus*, Davis Strait ; HANCOCK, xviii, p. 330, fig. : *F. albus* (Jeffreys MS), Zetland Islands ; MACANDREW & FORBES, xix, p. 97, fig. : †*F. obliquatus*, p. 419, ? *carinocrenatus*, p. 420, Inferior Oolite, England ; LYCETT, (2) vi : †*F. tricostratus*, p. 283, *quincocostatus*, p. 284, Upper Greensand, Cambridge ; SEELEY, (3) vii, figg. : n. spp.

- Nassa vitrea*, Sierra Leone; GRAY, i, p. 28: n. sp.
Phos veraguensis, Veragua, *crassus*, Panama; HINDS, xi, p. 257: n. spp.
Purpura lapillus, spawn of; PEACH (456): Development; CARPENTER (174, 175).
†*Purpuroidea*, n. gen. for *Murex nodulatus* and others, Oolite; LYCETT, (2) ii, p. 250, fig.
Rhizochilus, Steenstrup, note on genus; GRAY, (2) viii, p. 477.
Siphonalia, n. gen. for *Buccinum cassidariæforme*, Rve., and others; ADAMS, (3) xi, p. 202.
Siphonalia commoda, p. 203, *corrugata*, *conspersa*, *concinna*, *ornata*, p. 204, *filosa*, *ligata*, *grisea*, *colus*, p. 205, *acuminata*, *pyramis*, *munda*, *nodulosa*, p. 206, Japan; ADAMS, (3) xi: n. spp.
Triton elegans, Ireland; THOMPSON, xv, p. 317, fig.: n. sp.
Turbinella spinosa, Sierra Leone; GRAY, i, p. 28: n. sp.
Volutharpa, animal; ADAMS, (3) vi, p. 109.
Zafra, n. gen., p. 331, for *Z. mitriformis*, n. sp., p. 332, Japan; ADAMS, (3) vi.

TÆNIOGLOSSA.

- Alciope*, n. gen., p. 401, for *A. rostralis*, *spicata*, n. spp., p. 402, China Sea; ADAMS, (3) viii.
Brownia carinata, *angulata*, China Sea; ADAMS, (3) i, p. 29: n. spp.
Macgillivrayia spinigera, Mindoro Sea; ADAMS, (2) ix, p. 242: *M. echinata*, Cape Verd Is.; ADAMS, (2) xix, p. 374: *M. setigera*, South Atlantic; ADAMS, (2) xix, p. 462: *M. perspicua*, China Sea; ADAMS, (3) viii, p. 402: n. spp.
Sinusigera vitrea, p. 125, China Sea, *trochoides*, *glabra*, p. 126, Indian Ocean; ADAMS, (2) i: *S. L'orbignyi*, South Atlantic; ADAMS, (2) xix, p. 461: *S. fusoides*, China Sea, *bicarinata*, Indian Ocean; ADAMS, (3) viii, p. 402: n. spp.

LOTORIIDÆ, DOLIIDÆ, CASSIDIDÆ, CYPREIDÆ, and STROMBIDÆ.

- Apporrhais* [sic] *senegalensis*, Sierra Leone; GRAY, i, p. 27: n. sp.
Cyprea, supposed dissolution of shell in; REEVE, xvi, p. 374: Variation of Hawaiian specimens; GRAY (303).
Cypræcassis, n. gen., type *Cassis rufa*, Brug.; STUTCHBURY, Mag. Nat. Hist. n. s. i, p. 214: Notes on, by SOWERBY, t. c. p. 365, 431, and LEWIS, t. c. p. 387: Reply by STUTCHBURY, t. c. p. 470.
Pedicularia, note on genus; GRAY, xviii, p. 428.
†*Pteroceras wrightii*, Oolite, Minchinhampton; LYCETT, (2) vii, p. 309, fig.: †*P. globulatum*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 281, fig.: n. spp.
†*Pterodonta marginata*, p. 282, *longispira*, p. 283, Upper Greensand, Cambridge; SEELEY, (3) vii, figg.: n. spp.
†*Pyrala* (*Myristica*) *sowerbii*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 283: n. sp.
Ranella californica, California; HINDS, xi, p. 255: n. sp.
†*Rostellaria unicornis*, *simplex*, *spinigera*, *solida*, *gracilis*, Inferior Oolite, England; LYCETT, (2) vi, p. 419: n. spp.
†*Rostrotrema*, n. gen. of *Strombidæ*, no named type, Oolite; LYCETT, (2) ii, p. 252.
Semicassis japonica, animal; ADAMS, (3) ix, p. 297.
Strombidæ of Oolites; WRIGHT (558).
Strombus listeri, hab. unknown; GRAY, (2) x, p. 430: n. sp.

CERITHIIDÆ, MODULIDÆ, PLANAXIDÆ, NERINEIDÆ, TRICHOTROPIDIDÆ, and TURRITELLIDÆ.

- Batillaria*, n. gen. for *Cerithium zonale*, Lamk.; BENSON, ix, p. 488.
Cæcum, animal of; CLARK, (2) iv, p. 180.
 †*Ceritella*, n. gen., p. 418, for *C. sculpta*, *tumidula*, p. 419, n. spp., Inferior Oolite, England; LYCETT, (2) vi.
 †*Ceritella costata*, Oolite, nr. Oxford; WHITEAVES, (3) viii, p. 146, fig.: n. sp.
Cerithiopsis pulchella, South of England; JEFFREYS, (3) ii, p. 129, fig.: *C. nivea*, Ireland; JEFFREYS, (3) iii, p. 116, fig.: *C. rosea*, *cerina*, *baculum*, *clavula*, p. 130, *paxillus*, *pagodula*, (*Seila*, n. subgen.) *cingulata*, p. 131, Japan; ADAMS, (3) vii: n. spp.
Cerithium pennanti, Ireland; THOMPSON, v, p. 12: *C. nitidum*, Zetland Islands; MACANDREW & FORBES, xix, p. 97, fig.: †*C. tenuistriatum*, Upper Greensand, Cambridge, SEELEY, (2) vii, p. 285, fig.: n. spp.
Ino, n. subgen. of *Triphoris* for *T. gigas*, n. sp., and others; HINDS, xi, p. 17.
Macrocheilus japonicus, Japan; ADAMS, (3) v, p. 407: n. sp.
Mastonia, n. subgen. of *Triphoris* for *T. vulpinus*, n. sp., and others; HINDS, xi, p. 19.
Seila, n. subgen. of *Cerithiopsis* for *C. dextroversa*, Ad. & Rve., and *cingulata*, n. sp.; ADAMS, (3) vii, p. 131.
Sychar, n. subgen. of *Triphoris* for *T. vitreus*, n. sp.; HINDS, xi, p. 19.
Trichotropis cedonulli, Japan; ADAMS, (3) v, p. 411: *T. (Iphinoë) quadricarinata*, Japan; ADAMS, (3) viii, p. 135: n. spp.
Triphoris (*Ino*, n. subgen.) *gigas*, New Guinea, *concoris*, *sculptus*, *vittatus*, *bilix*, Straits of Malacca, *metcalfei*, Pacific Ocean (?), p. 17, *elegans*, *cancellatus*, *maxillaris*, Straits of Malacca, *corrugatus*, New Guinea and Straits of Malacca, *micans*, *asperrimus*, New Guinea, *marmoratus*, West Indies, p. 18, (*Sychar*, n. subgen.) *vitreus*, Straits of Malacca, (*Mastonia*, n. subgen.) *vulpinus*, New Ireland, *monilifer*, Straits of Malacca, *grazii*, Mediterranean, *ruber*, New Ireland and Malacca, p. 19, *affinis*, *castus*, St Vincent, *cælebs*, *emulans*, *concinus*, Pacific Ocean (?), *tristis*, hab. query, *clemens*, Straits of Malacca, *carteretensis*, New Ireland, p. 20, *roseus*, *candidus*, *hilaris*, Pacific Ocean (?), p. 21; HINDS, xi: n. spp.
 †*Turritella suturalis*, Phill., figd.; STODDART, (3) viii, p. 489.
Turritella (?) *pusilla*, Piedmont; JEFFREYS, (2) xvii, p. 184, fig.: n. sp.
Vermetus gigas, Biv., eggs; PHILIPPI, iv, p. 299.

PSEUDOMELANIIDÆ, MELANIIDÆ, LITTORINIDÆ, and FOSSARIDÆ.

- Conradia*, p. 409, n. gen. for *C. cingulifera*, *carinifera*, *clathrata*, p. 410, n. spp., Japan; ADAMS, (3) v.
Conradia pulchella, Japan; ADAMS, (3) viii, p. 307: n. sp.
Conthouyia, n. gen. for *C. decussata*, n. sp., Japan; ADAMS, (3) v, p. 410.
Cremnobates, n. gen. for *C. syhadrensis*, n. sp., India; BLANFORD, (3) xii, p. 184, fig.
Epheria lepidula, Japan; ADAMS, (3) xi, p. 350.
Fossar japonicus, Japan; ADAMS, (3) viii, p. 139: n. sp.
 †*Funis*, n. gen. for *F. elongatus*, p. 285, *F. (?) brevis*, p. 286, n. spp., Upper Greensand, Cambridge; SEELEY, (3) vii, figg.
Isapis lirata, Japan; ADAMS, (3) vi, p. 120: n. sp.
Lacuna, animal; CLARK, (2) vi, p. 29.

- Lacuna* (*Epheria*) *decorata*, *inflata*, p. 304, *turrita*, p. 305, Japan; ADAMS, (3) viii: *L. latifasciata*, Japan; ADAMS, (3) xi, p. 350: n. spp.
- Littorinidae*, notes on British species; CLARK, (2) v, p. 352: Animal; CLARK, (2) vi, p. 29: *L. rudis* in copulation with *L. littoralis*; THOMPSON, (2) x, p. 74: †*L. helicina*, Schloth., figd.; HOWSE, (2) xix, p. 468.
- †*Littorina punctura*, Cornbrash, Scarborough; BEAN, Mag. Nat. Hist. n. s. iii, p. 62, fig.: †*L. nana*, Inferior Oolite, England; LYCETT, (2) vi, p. 416: †*L. undifera*, Silurian, British Isles; M^cCOY, (2) vii, p. 48: †*L. laevissima*, Oolite, nr. Oxford; WHITEAVES, (3) viii, p. 145: n. spp.
- †*Loxonema elegans*, Silurian, British Isles; M^cCOY, (2) vii, p. 48: n. sp.
- †*Macrochilus linnæiformis*, Northumberland, *brevispiratus*, Derbyshire and Northumberland; M^cCOY, (2) xii, p. 193: n. spp.
- †*Macromphalus*, n. gen. for *M. reticulatus*, n. sp., Coralline Crag, Sutton; WOOD, ix, p. 537, fig.
- Melania cancellata*, *crebricostis*, Chusan; BENSON, ix, p. 488: n. spp.
- Paludomus labiosa*, p. 495, *ornata*, *regulata*, p. 496, Burma; BENSON, (2) xvii: n. spp.
- †*Phasianema*, n. gen. for *P. sulcata*, n. sp., &c., Coralline Crag, Sutton; WOOD, ix, p. 535, fig.
- Stenotis*, n. gen. for *S. laxata*, n. sp., Japan; ADAMS, (3) xi, p. 351.
- Tanalia* (?) *stomatodon*, Travancore; BENSON, (3) x, p. 414, fig.: n. sp.
- Tricula*, notes on; BENSON, (3) x, p. 416.
- Turbo* (?) *sphaeroides*, Coralline Crag, Sutton; WOOD, ix, p. 533, fig.: n. sp.
- Vanesia*, n. gen. for *V. trifasciata*, n. sp., N. China; ADAMS, (3) viii, p. 242.
- Vanesia sulcatina*, N. China: ADAMS, (3) viii, p. 307: n. sp.

SOLARIIDÆ, HOMALOGYRIDÆ, RISSOIDÆ, HYDROBIIDÆ,
SKENEIDÆ, LITIOPIDÆ, VIVIPARIDÆ, VALVATIDÆ,
AMPULLARIIDÆ, and ASSIMINEIDÆ.

- Alaba*, review of known species: ADAMS, (3) x, p. 293.
- Alaba vibex*, *pulchra*, Australia, *blanfordi*, Siam, *monile*, Australia, *zebrina*, p. 296, Japan, *pagodula*, Australia, *imbricata*, *felina*, *lucida*, *inflata*, p. 297, *subangulata*, p. 298, Japan; ADAMS, (3) x: n. spp.
- Alvania circinata*, *semicostata*, *tiarula*, *celata*, *clathratula*, p. 137, *mariella*, *concinna*, *ferruginea*, p. 138, Japan; ADAMS, (3) viii: *A. badula*, *scitula*, N. China; ADAMS, (3) viii, p. 300: n. spp.
- Assiminea grayana*, note on; GRAY, (2) xvi, p. 183: CLARK, t. c. p. 272: GRAY, t. c. p. 422: CLARK, (2) xvii, p. 57: Animal; CLARK (213).
- Assiminea lutea*, *cincta*, N. China; ADAMS, (3) viii, p. 307: n. spp.
- Barleeia*, n. gen. for *Rissoa rubra*, with note on animal; CLARK, (2) xii, p. 110.
- Bifrontia zanclea*, note on; GRAY, (2) xi, p. 260.
- Bithinia travancorica*, Travancore; BENSON, (3) vi, p. 259: n. sp.
- Ceratia*, n. gen., type *Rissoa proxima*; ADAMS, (2) x, p. 359.
- Chemnitzia opalina* and *diaphana*, note on; CLARK, (2) vii, p. 292 [With note that *Jeffreysia* is an invalid genus].
- Cingulina*, n. gen. for *C. circinata*, n. sp., Japan; ADAMS, (3) vi, p. 414.
- Diala*, n. gen., p. 242, for *D. varia*, China and Japan, *cornea*, *leucosticta*, *picta*, China, n. spp., p. 243; ADAMS, (3) viii: Also in (3) x, p. 298.
- Diala sulcifera*, Japan, *rufilabris*, *lauta*, Australia; ADAMS, (3) x, p. 298: n. spp.

- †*Eccylomphalus scoticus*, Lower Palæozoic, British Isles; M^cCOY, (2) x, p. 195: n. sp.
- †*Euomphalus minimus*, Palæozoic, N. S. Wales; M^cCOY, xx, p. 305, fig.: †*E. lyratus*, *triporcatatus*, Lower Palæozoic, British Isles; M^cCOY, (2) x, p. 193: †*E. triangulatus*, Carboniferous, Bristol; STODDART, (3) viii, p. 484, fig.: n. spp.
- Fenella*, n. gen. for *F. pupoides*, n. sp., Japan; ADAMS (3), vi, p. 336.
- Helix octanfracta*, Mont. *H. octona*, Penn., and *Limnæus elongatus*, Turt., note on; W. W., Mag. Nat. Hist. vii, p. 161: also KENYON, t. c., pp. 379 & 380.
- Hyala*, n. gen., type *Rissoa vitrea*; ADAMS, (2) x, p. 359.
- Hydrobia varica*, Nice; PAGET, (2) xiii, p. 454: n. sp.
- Jeffreysia* is a valid genus; ALDER, (2) vii, pp. 193, 460.
- Jeffreysia cylindrica*, Piedmont; JEFFREYS, (2) xvii, p. 184, fig.: n. sp.
- Laguncula*, n. gen. for *L. pulchella*, n. sp., Chusan; BENSON, ix, p. 488.
- Litiopa ventrosa*, Indian Ocean; ADAMS, (3) viii, p. 404: †*L. papillosa*, Coralline Crag, Sutton; WOOD, ix, p. 539, fig.: n. spp.
- †*Maclureia macromphala*, Lower Palæozoic, British Isles; M^cCOY, (2) x, p. 194: n. sp.
- Microstelma*, n. gen., p. 347, for *M. dedala*, n. sp., p. 348, Japan; ADAMS, (3) xi.
- Nematura deltoæ*, note on with fig.; SOWERBY, Mag. Nat. Hist. n. s. i, p. 217: *N. minima*, Sby., notes on; BENSON, (2) xvii, p. 500.
- Nematura minima*, West Indies, †*fossilis*, Tertiary, Paris Basin; SOWERBY, Mag. Nat. Hist. n. s. i, p. 218, figg.: n. spp.
- Onoba*, n. gen., type *Rissoa striata*; ADAMS, (2) x, p. 358.
- Onoba mundula*, *elegantula*, N. China; ADAMS, (3) viii, p. 136: *O. subulina*, N. China; ADAMS, (3) viii, p. 299: *O. mirifica*, *spirata*, p. 348, *patula*, *egregia*, *lucida*, p. 349, Japan; ADAMS, (3) xi: n. spp.
- Paludestrina ulvæ*, animal; CLARK, (2) vi, p. 29.
- Paludina dupotetiana*, Algiers and Bougia; FORBES, ii, p. 254, fig.: *P. quadrata*, p. 487, *lecythoides*, (*Bithymia*) *longicornis*, (*B.*) *striatula*, p. 488, Chusan; BENSON, ix: *P. seminalis*, California; HINDS, x, p. 83: n. spp.
- Paludinella littorina*, animal; CLARK (208).
- Rissoa harveyi*, note on; LANDSBOROUGH, ix, p. 261: Notes on British species; CLARK, (2) v, p. 352: Notes on animal; CLARK, (2) x, p. 254: Classification of British species; ADAMS (41): *R. anatina*, animal; CLARK (213): *R. pulcherrima* is a var. of *R. inconspicua*, with note on animal; CLARK, (2) xx, p. 262.
- Rissoa harveyi*, p. 97, *tristriata*, *balliæ*, p. 98, Ireland; THOMPSON, v, figg.: *R. rupestris*, Isle of Man; FORBES, v, p. 107, fig.: *R. inconspicua*, North-umberland; ALDER, xiii, p. 323, fig.: *R. barleei*, British Isles; JEFFREYS, xix, p. 310: *R. striatula*, British Isles; JEFFREYS, xx, p. 16: *R. pulcherrima*, (*I*) *opalina*, Guernsey and Sark; JEFFREYS, (2) ii, p. 351: *R. philippiana*, p. 182, *contorta*, p. 183, Piedmont; JEFFREYS, (2) xvii, figg.: *R. alderi*, Skye; JEFFREYS, (3) ii, p. 127, fig.: *R. (Goniostoma) pupiformis*, Japan; ADAMS, (3) v, p. 411: *R. miranda*, p. 135, Japan, (*Goniostoma*) *procera*, p. 136, N. China; ADAMS, (3) viii: n. spp.
- Rissoella omphalotropis*, *vitrina*, *vesicalis*, p. 332, *minima*, *turgidula*, *mundula*, *hydrophana*, *spiralis*, p. 333, Japan; ADAMS, (3) vi: *R. sinensis*, p. 240, *consobrina*, p. 241, N. China; ADAMS, (3) viii: n. spp.
- †*Rissoina obtusa*, Inferior Oolite, England; LYCETT, (2) vi, p. 419: n. sp.
- Scaliola*, notes on; ADAMS, (3) viii, p. 484: Probably belongs to *Rissoiæ*; ADAMS, (3) x, p. 420.
- Scaliola bella*, p. 420, *arenosa*, *glareosa*, *gracilis*, p. 421, Japan; ADAMS, (3) x: n. spp.

- Setia*, n. gen. for *Rissoa soluta* and others ; ADAMS, (2), p. 359.
Setia candida, *tricincta*, *bifasciata*, Japan ; ADAMS, (3) viii, p. 136 : n. spp.
Skenea (?) *nitidissima*, note on with fig. ; JEFFREYS, (3) iii, p. 109.
Skenea tricarinata, Falmouth ; WEBSTER, (2) xviii, p. 156, fig. [Is a var. of *S. rota* ; WEBSTER, (2) xix, p. 269] : *S. cornuella*, Japan ; ADAMS, (3) v, p. 412 : n. spp.
†*Solarium cotswoldiae*, Inferior Oolite, England ; LYCETT, (2) vi, p. 419, fig. : †*S. binghami*, Upper Greensand, Dorchester ; BAILY, (3) vi, p. 28, fig. : †*S. sedgwickii*, p. 286, *planum*, p. 287, *carteri*, p. 288, Upper Greensand, Cambridge ; SEELEY, (3) vii, figg. : n. spp.
Stenothyra, n. n. for *Nematura*, Benson nec Fischer ; BENSON, (2) xvii, p. 342 : Notes on genus and known species ; BENSON (118) : Animal ; ADAMS, (3) vi, p. 109.
Stenothyra cingulata, Penang, p. 496, *monilifera*, Mergui, *foveolata*, Ganges, p. 497, *frustillum*, Australia, *strigilata*, Borneo, p. 498 ; BENSON, (2) xvii : *S. glabra*, p. 307, *gibba*, p. 308, N. China ; ADAMS, (3) viii : n. spp.
Styliiferina, n. gen. for *S. orthochila*, *goniochila*, n. spp., Japan ; ADAMS, (3) vi, p. 335 : also in (3) x, p. 299.
Styliiferina goniochila, *lepida*, Japan ; ADAMS, (3) x, p. 299 : n. spp.

CYCLOPHORIDÆ and CYCLOSTOMATIDÆ.

- Cyclophoridae*, notes on several species ; BENSON, (2) x, pp. 271 & 272 : Distribution of Indian species ; BENSON (110) : Notes on several species ; BENSON (112) : Animals of several *Cyclophoridae* ; BLANFORD, (3) xii, p. 55 : Notes on Indian *Cyclophoridae* ; BENSON, (3) vii, p. 28 : Notes on Indian Region ; BENSON (124).
Alycæus, animal ; ADAMS, (3) vii, p. 196 : Note on genus ; BENSON, (2) xi, p. 283 : Classification of species ; BENSON (129).
Alycæus urnula, India ; BENSON, (2) xi, p. 284 : *A. pyramidalis*, *umbonatus*, p. 225, *amphora*, *sculptilis*, p. 226, *armillatus*, p. 227, British Burma ; BENSON, (2) xvii : *A. prosectus*, p. 203, *styliifer*, *hebes*, p. 204, India ; BENSON, (2) xix : *A. otiphorus*, *bembex*, p. 178, *physis*, *gemma*, p. 179, *plectocheilus*, *crenulatus*, p. 180, Darjiling ; BENSON, (3) iii : *A. andamanæ*, Andamans ; BENSON, (3) vii, p. 28 : n. spp.
Anaulus, Pfr., notes on ; BENSON, (2) xvii, p. 342.
Callia, n. gen. for unnamed *Pupina* lacking 'groove on left side of the mouth' ; GRAY, vi, p. 77.
Cataulus austenianus, p. 95, *decorus*, p. 96, Ceylon ; BENSON, (2) xii : n. spp.
Charax, n. sect. of *Alycæus* for *A. hebes* and others ; BENSON, (3) iii, p. 177.
Clostophis, n. gen. for *C. sankeyi*, n. sp., Burma ; BENSON, (3) v, p. 95.
Craspedopoma, notes on species ; LOWE, (3) vi, p. 114.
Craspedopoma neritoides, *flavescens*, p. 115, *monizianum*, Madeira, *annulatum*, Canaries, p. 116, *trochoideum*, Madeira, p. 117 ; LOWE, (3) vi : n. spp.
Cyathopoma (?) *tignarium*, Andamans ; BENSON, (3) xii, p. 426 : n. sp.
Cyclophorus convexiusculus, n. var. ; BENSON, (2) xviii, p. 438 : *C. stenomphalus*, *stenostoma*, *menkeanus*, notes on ; BENSON, (2) viii, pp. 191 & 192.
Cyclophorus parapsis, Ceylon ; BENSON, (2) xii, p. 96 : *C. altivagus*, p. 411, *pyrotrema*, *exul*, p. 412, *tryblum*, p. 413, India ; BENSON, (2) xiv : *C. (?) scissimargo*, *calyx*, British Burma ; BENSON, (2) xvii, p. 228 : *C. parma*, *cratera*, Ceylon ; BENSON, (2) xviii, p. 94 : *C. pinnulifer*, p. 205, (?) *tomotrema*, India, *cryptomphalus*, *theobaldianus*, Burma, p. 206, *balteatus*, p. 207, *scurra*, p. 208, Pegu ; BENSON, (2) xix : *C.*

- cadiscus*, *cytopoma*, Ceylon; BENSON, (3) v, p. 385: *C. flavilabris*, Burma; BENSON, (3) vi, p. 193: n. spp.
- Cyclostoma elegans*, note on operculum; GRAY, (2) xix, p. 350.
- Cyclostoma halophilum*, Ceylon; BENSON, (2) vii, p. 265: *C. pearsoni*, *jerdoni*, p. 185, *aurora*, India, *cantori*, Penang I., p. 186, *porphyriticum*, p. 187, *constrictum*, *filocinctum*, *sarritum*, p. 188, *caeloconus*, *cuspidatum*, *trochlea*, p. 189, *aratum*, *ravidum*, *phænotopicum*, p. 190, India; BENSON, (2) viii: *C. (Hygrobium) lyonnæianum*, Madeira; LOWE, (2) ix, p. 279: *C. nilagiricum*, p. 268, India, *malayanum*, Malay Peninsula, *anostoma*, p. 269, *quadrifilum*, Borneo, p. 270, *wahlbergi*, Natal, p. 271; BENSON, (2) x: *C. orophilum*, Ceylon, *liricinctum*, *orbiculatum*, West Australia; BENSON, (2) xi, p. 106: *C. tersum*, *milium*, India; BENSON, (2) xi, p. 285: n. spp.
- Dioryx*, n. sect. of *Alyceus* for *A. amphora* and others; BENSON, (3) iii, p. 177.
- Diplommatina*, n. gen. for *Bulimus folliculus*, Pfr., and *D. costulatum*, n. sp., India; BENSON, (2) iv, p. 193: Note on; BENSON, (2) xi, p. 286: Has no operculum; BENSON, (2) xi, p. 433: Has an operculum; GRAY, (2) xii, p. 9; BENSON (113): Note on operculum; HUTTON, (2) xvi, p. 300: *D. pachycheilus*, notes on; BENSON, (3) v, p. 460.
- Diplommatina australis*, West Australia; BENSON, (2) xv, p. 331: *D. diplocheilus*, p. 202, *pachycheilus*, *polypleuris*, p. 203, India; BENSON, (2) xix: *D. pullula*, Darjiling; BENSON, (3) iii, p. 182: *D. blanfordiana*, Darjiling; BENSON, (3) v, p. 460: n. spp.
- Hybocystis*, n. gen. for *Megalomastoma gravidum*; BENSON, (3) iv, p. 92.
- Hygrobium*, n. sect. of *Cyclostoma*, type *C. lyonnæianum*, n. sp.; LOWE, (2) ix, p. 279.
- Leptopoma aspirans*, British Burma; BENSON, (2) xvii, p. 229: *L. apicatum*, Ceylon; BENSON, (2) xviii, p. 95: *L. cybeus*, India; BENSON, (2) xix, p. 205: n. spp.
- Megalomastoma anostoma* and *sectilabre* are distinct; BENSON, (2) xviii, p. 254: Operculum; BENSON, (3) iv, p. 238.
- Megalomastoma gravidum*, British Burma; BENSON, (2) xvii, p. 229: n. sp.
- Omphalotropis harpula*, Mauritius; BENSON, (3) iii, p. 100: *O. disterrina*, Andamans; BENSON, (3) xii, p. 425: n. spp.
- Opisthoporus*, n. gen. for *Pterocyclos biciliatus*, Mousson, and others; BENSON, (2) xv, p. 14.
- Opisthoporus gordonii*, Burma; BENSON, (3) xi, p. 322: n. sp.
- Otopoma clausum*, animal; BENSON, (3) iv, p. 95.
- Otopoma blennus*, British Burma; BENSON, (2) xvii, p. 231 [Is young of *Hybocystis grvida*; BENSON, (3) iv, p. 91]: n. sp.
- Paxillus*, n. gen., type *P. adversus*, n. sp., Singapore; ADAMS (H. & A.), (2) vii, p. 63.
- Pollicaria*, Gould, may take precedence over *Hybocystis*; BENSON, (3) vi, p. 99.
- Pomatias himalayæ*, Darjiling; BENSON, (3) iii, p. 183: n. sp.
- Pterocyclos*, note on genus; BENSON, (2) i, p. 345: Animal; ADAMS, (3) vii, p. 196.
- Pterocyclos blandi*, Pulo Susson I. off Pulo Penang, *trotscheli*, Ceylon; BENSON, (2) viii, p. 196: *P. cingalensis*, Ceylon; BENSON, (2) xi, p. 105: *P. pullatus*, p. 227, *cetra*, p. 228, British Burma; BENSON, (2) xvii: n. spp.
- Pupina artata*, animal; BENSON, (3) iv, p. 94.
- Pupina aurea*, New Guinea, *mitis*, New Ireland; HINDS, x, p. 83, figg.: *P. arula*, *artata*, *imbricifera*, British Burma; BENSON, (2) xvii, p. 230: *P. peguensis*, Burma; BENSON, (3) vi, p. 192: n. spp.
- Pupinella*, animal; ADAMS, (3) vii, p. 196.

Rhaphaulus chrysalis, animal ; BENSON, (3) iv, p. 94.

Rhiostoma, n. gen. for *R. haughtoni*, n. sp., Burma, and others ; BENSON, (3) v, p. 96.

Streptaulus, n. gen. for *S. blanfordi*, n. sp., India ; BENSON, (2) xix, p. 201.

TRUNCATELLIDÆ.

Blanfordia, n. gen. for *Tomichia bensoni* and *japonica*, Ad. ; ADAMS, (3) xii, p. 424.

Cecina, n. gen. for *C. manchurica*, n. sp., N. China ; ADAMS, (3) viii, p. 308.

Takeitia, n. gen. for *Truncatella porrecta*, Gould ; ADAMS, (3) xi, p. 19.

Tomichia, n. gen. for *Truncatella ventricosa*, Sby. ; BENSON, (2) vii, p. 378 :

Tomichia [really *Blanfordia*], animal ; ADAMS, (3) vi, p. 112.

Tomichia bensoni, *japonica*, Japan ; ADAMS, (3) viii, p. 308 : n. spp.

Truncatella, animal ; CLARK (208) : Notes on ; GRAY (291) : CLARK (214) : GRAY (292).

HIPPONYCIDÆ, CAPULIDÆ, ADEORBIIDÆ, LAMELLARIIDÆ, and NATICIDÆ.

†*Adeorbis*, n. gen. for *A. striatus*, n. sp., Coralline Crag, Sutton ; WOOD, ix, p. 530, fig.

Adeorbis clausa, *orbella*, Japan, *prominula*, *depressa*, N. China, *patruelis*, *corniculum*, p. 245, *suturalis*, *japonica*, *nanula*, p. 246, Japan ; ADAMS, (3) viii : *A. sinensis*, N. China ; ADAMS, (3) viii, p. 305 : n. spp.

Brocchia, Bronn, note on ; GRAY, vi, p. 157.

†*Calyptræa antiqua*, Howse, figd. ; HOWSE, (2) xix, p. 464.

Capulus dilatatus, Japan ; ADAMS, (3) vi, p. 422 : *C. japonicus*, Japan, *depressus*, N. China ; ADAMS, (3) viii, p. 138 : †*C. (?) euomphaloides*, Lower Palæozoic, British Isles ; McCoy, (2) x, p. 190 : n. spp.

Crepidula neritoides, Recluz, equals *Latia neritoides*, Gray ; GRAY, (2) xiii, p. 237.

†*Crepidula cooksoniæ*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 291, fig. : n. sp.

Crypta lamellosa, Japan ; ADAMS, (3) ix, p. 297 : n. sp.

Dispotæa, notes on ; GRAY, xvii, p. 136.

†*Galericulus*, n. gen. for *G. altus*, n. sp., Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 292, fig.

Lamellaria tentaculata, notes on ; JOHNSTON, Mag. Nat. Hist. ix, p. 229.

Limneria, n. gen., type *L. caspiensis*, n. sp., Caspian Sea ; ADAMS (H. & A.), (2) vii, p. 64.

†*Marsenia depressa*, Coralline Crag, Sutton ; WOOD, ix, p. 528, fig. : n. sp.

†*Metoptoma*, Phillips, may be a posterior plate of *Chiton* ; KING, xiv, p. 382.

Natica monilifera, *rufa*, notes on ; FORBES, Mag. Nat. Hist. ix, p. 191 :

†*N. multipunctata*, n. n. for *N. patula*, Sby., preocc. ; WOOD, ix, p. 529.

†*Natica leckhamptonensis*, p. 416, *canaliculata*, p. 417, *gomondii*, p. 420, Inferior Oolite, England ; LYCETT, (2) vi : n. spp.

Naticina, animal ; ADAMS, (3) vi, p. 109.

Velutina pusio, Japan ; ADAMS, (3) v, p. 411 : n. sp.

PTENOGLOSSA.

SCALIDÆ and IANTHINIDÆ.

- Adis unica*, notes on; CLARK, (2) xiv, p. 122.
Adis labiata, cingulata, p. 118, *lirata, sulcata*, p. 119, Japan; ADAMS, (3) vi: *A. loveniana, crystallina, fulgida*, Japan; ADAMS, (3) vii, p. 43: n. spp.
 †*Alvania supranitida* [*Adis*], Coralline Crag, Sutton; WOOD, ix, p. 534, fig.: n. sp.
Chemnitzia gulsonæ, British Isles; CLARK, (2) vi, p. 459 [Is not a *Chemnitzia*; JEFFREYS, (2) vii, p. 27]: n. sp.
Cirsotrema cribrarium, turbonilla, Japan; ADAMS, (3) viii, p. 483: n. spp.
Constantia, n. gen. for *C. elegans*, n. sp., Japan; ADAMS, (3) v, p. 300.
Constantia tantilla, Japan; ADAMS, (3) viii, p. 483: n. sp.
 †*Holopella*, n. gen. for *H. gracilior, intermedia*, p. 47, *monile*, p. 48, n. spp., Silurian, British Isles; McCoy, (2) vii.
 †*Holopella tenuicincta*, Ayrshire, Cambro-Silurian; McCoy, (2) viii, p. 408: n. sp.
Ianthina, notes on distribution, etc.; BENSON, (3) vi, p. 405: Animal and float; ADAMS, (3) x, p. 417.
Ianthina (*Iodina*) *megastoma*, Indian Ocean; ADAMS, (3) viii, p. 403: n. sp.
Peloridae, n. fam. for *Ianthina, Scalaria, Natica*, and others; CLARK, (2) xi, p. 46.
Recluzia, notes on; BENSON, (3) vi, p. 413.
Recluzia aperta, British Isles; JEFFREYS, (3) iii, p. 114, fig.: *R. bensoni*, China Sea; ADAMS, (3) viii, p. 402: n. spp.
Scalidæ, review of Japanese species; ADAMS (24).
Scala (*Scaliola*, n. subgen.) *bella*, Japan; ADAMS, (3) vi, p. 120: *S. trabeculata, fimbriata, optabilis*, p. 480, *elegantula, spiralis, præclara, lipulutana*, p. 481, Japan; ADAMS, (3) viii: *S. soluta*, Japan; ADAMS, (3) ix, p. 296: n. spp.
 †*Scalaria ehrenbergi* (Forbes), Barbados, (1) Tertiary; SCHOMBURGK, (2) i, p. 347, fig.: †*S. pygmæa*, Inferior Oolite, England; LYCETT, (2) vi, p. 419: †*S. duciei*, Tertiary, Malta; WRIGHT, (2) xv, p. 274, fig.: †*S. angularis*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 286, fig.: n. spp.
Scaliola, n. subgen. of *Scala* for *S. bella*; ADAMS, (3) vi, p. 120. [Really belongs to *Rissoa*, q.v.; ADAMS, (3) x, p. 420.]

GYMNOGLOSSA.

EULIMIDÆ and PYRAMIDELLIDÆ.

- Agatha virgo*, Japan; ADAMS, (3) vi, p. 422 [Really *Myonia*; ADAMS (3) viii, p. 142]: n. sp.
Amathis, n. gen. for *Myonia virgo*, A. Ad., and others; ADAMS, (3) viii, p. 303.
Apicalia, n. gen. for *A. gibba*, n. sp., Japan; ADAMS, (3) ix, p. 295.
Auriculina grayi, Japan; ADAMS, (3) v, p. 407 [Note on; ADAMS, (3) vii, p. 43]: *A. ovalis*, Japan; ADAMS, (3) vii, p. 42: n. spp.
Bacula, n. gen. for *B. striolata*, n. sp., China Sea; ADAMS, (3) xi, p. 18.
Chemnitzia, notes on genus; CLARK, (2) vii, p. 380: Criticism; JEFFREYS, t. c. p. 465: Also BARLEE, t. c. p. 482: Notes on British species; CLARK (198): Notes on animal; CLARK, (2) x, p. 195: †*C. altenburgensis*, Geinitz, figd.; HOWSE, (2) xix, p. 466.

- Chemnitzia barleei*, Shetlands; CLARK, (2) vii, p. 129: †*C. nitida, elegans, gracilis*, figd., Inferior Oolite, England; LYCETT, (2) vi, p. 418 : n. spp.
- Chrysallida plicata, semiplicata, minna, brenda, metula, elegantula*, p. 478, *pulchella, concinna*, p. 479, Japan; ADAMS, (3) v: *C. pygmaea, pupula, consimilis, consobrina*, p. 44, *alveata, munda, mumia, nana, terebra, pusio*, p. 45, *pura*, p. 46, Japan; ADAMS, (3) vii: *C. casta, inconspicua, miranda*, p. 301, *pulchella, tenuicula, mundula, costellata, gemma*, p. 302, N. China; ADAMS, (3) viii : n. spp.
- Dunkeria fusca, asperulata*, p. 119, *pulchella*, p. 120, Japan; ADAMS, (3) vi: *D. scabra, ferruginea*, p. 421, *reticulata*, p. 422, Japan; ADAMS, (3) vi: *D. craticulata*, Japan; ADAMS, (3) vii, p. 46: *D. rufocincta*, p. 300, *candida*, p. 301, N. China; ADAMS, (3) viii : n. spp.
- Ebala virginea, vestalis*, Japan; ADAMS, (3) vi, p. 119: *E. diaphana*, p. 43, *scintillans*, p. 44, Japan; ADAMS, (3) vii : n. spp.
- Elusa*, n. gen. for *E. teres*, n. sp., N. China; ADAMS, (3) vii, p. 297.
- Eulima macandrei*, Scotland; FORBES, xiv, p. 412, fig.: *E. stenostoma*, British Isles and Norway; JEFFREYS, (3) ii, p. 128, fig.: *E. robusta, clavula, pinguicula, curvata, mundula*, p. 125, *stylata, acicularis, flexa, pandata, reclinata, stenostoma, semitorta*, p. 126, *eburnea, dentaliopsis, angulata, valida, odontoidea, chrysallida, debilis*, p. 127, *indeflexa, scitula*, p. 128, Japan; ADAMS, (3) vii: *E. gibbosula, subula*, N. China; ADAMS, (3) viii, p. 239: †*E. parvula*, Inferior Oolite, England; LYCETT, (2) vi, p. 419 : n. spp.
- Eulimella gracilis*, British Isles; JEFFREYS, xix, p. 311: *E. striatula*, Piedmont; JEFFREYS, (2) xvii, p. 186, fig.: *E. obeliscus*, Shetlands; JEFFREYS, (3) i, p. 46, fig.: *E. pellucens, opalina*, p. 46, *opaca, vitrea, hyalina*, p. 47, Japan; ADAMS, (3) vii : n. spp.
- Evalea*, n. subgen. of *Odostomia* for *O. elegans* and other n. spp.; ADAMS, (3) vi, p. 22.
- Iole*, n. gen. for *I. scitula*, n. sp., Japan; ADAMS, (3) v, p. 300.
- Kleinella*, n. gen. for *K. cancellaris*, n. sp., Japan; ADAMS, (3) v, p. 302.
- Kleinella sulcata*, Japan; ADAMS, (3) ix, p. 295 : n. sp.
- Leiostraca turgidula, lanceata, nixa, leachii*, p. 128, *spiculum, paxillus, pura, nivea, clara, labiata, clavella, nitida*, p. 129, Japan; ADAMS, (3) vii: *L. ariel*, p. 239, *oberon, titania, maria, constantia, casta, lentiginosa*, N. China, p. 240; ADAMS, (3) viii : n. spp.
- Leucotina*, n. gen. for *L. nipponensis*, n. sp., Japan; ADAMS, (3) v, p. 406.
- Leucotina exarata, insculpta*, Japan; ADAMS, (3) vi, p. 421: *L. insculpta*, p. 138, N. China, *punctata*, p. 139, Japan; ADAMS, (3) viii: *L. sulcata*, N. China; ADAMS, (3) viii, p. 241 : n. spp.
- Menestho subula*, N. China; ADAMS, (3) vii, p. 296: *M. exarata, sculptilis*, Japan; ADAMS, (3) viii, p. 303 : n. spp.
- Monoptygma vittata, metula*, p. 295, *punctigera, sulcifera, cingulata*, p. 296, N. China; ADAMS, (3) vii: *M. celata*, Japan; ADAMS, (3) viii, p. 303 : n. spp.
- Mucronalia*, n. gen. for *M. bicincta*, n. sp., Japan; ADAMS, (3) v, p. 301.
- Mucronalia exilis*, Japan; ADAMS, (3) ix, p. 295 : n. sp.
- Myonia*, n. gen. for *M. japonica*, n. sp., Japan; ADAMS, (3) v, p. 406.
- Myonia elegans*, p. 241, N. China, *scitula*, p. 242, Japan; ADAMS, (3) viii : n. spp.
- Niso interrupta*, animal; ADAMS, (3) ix, p. 295.
- Odostomia*, British species of; JEFFREYS, (2) ii, p. 330; JEFFREYS, (2) v, p. 108.
- Odostomia nitida*, p. 326, *cylindrica*, (?) *obliqua*, p. 327, British Isles; ALDER, xiii, figg.: *O. crassa*, Ireland; THOMPSON, xv, p. 315, fig.: *O. eulimoides*, British Isles; JEFFREYS, xx, p. 16: *O. notata*, Zetland, p. 336, *alba*, p. 337, *dubia, acuta*, p. 338, *diaphana*, p. 341, *dolioliformis*, p. 342, *fenestrata, clathrata*, p. 345, *formosa*, p. 347, British

- Isles; JEFFREYS, (2) ii: *O. decorata, truncatula*, British Isles; JEFFREYS, (2) v, p. 109: *O. tricineta*, Piedmont; JEFFREYS, (2) xvii, p. 185, fig.: *O. minima*, England; JEFFREYS, (3) i, p. 45, fig.: *O. lukisi*, British Isles; JEFFREYS, (3) iii, p. 112, fig.: *O. oblonga, hyalina, elata, scalina*, p. 20, *tenera, pupa, obesula, ventricosa, japonica, nana, pygmaea*, p. 21, (*Evalea*, n. subgen.) *elegans*, (*E.*) *pyramis*, (*E.*) *arcuata*, p. 22, Japan; ADAMS, (3) vi: *O. vitrea, subangulata, ovoidea, producta, nivea, gonistoma*, p. 416, *cana, neglecta, pruinosa, achatinella, subdiaphana*, (*Evalea*) *sulcata*, p. 417, (*E.*) *lirata*, p. 418, Japan; ADAMS, (3) vi: *O. hyalina*, Japan; ADAMS, (3) vii, p. 42: *O. pumila, biconica, porcellana*, p. 298, *bulimella, brevicula, lepidula, pyramidalis*, p. 299, North China; ADAMS, (3) vii: n. spp.
- Parthenia diadema, monocycla, foveolata*, Japan; ADAMS, (3) v, p. 479: *P. spirata*, p. 414, *pagodula, fenestrata, mariella, bellula, punctigera*, p. 415, Japan; ADAMS, (3) vi: *P. mundula, costellata, littoralis*, Japan; ADAMS, (3) vii, p. 42: n. spp.
- Pyramidellidae*, notes on British species; CLARK, (2) vi, p. 444.
- Rissoa warreni* [*Odostomia*], Ireland; THOMPSON, xv, p. 315, fig.: *R. eximia* [*Turbonilla*], Lerwick; JEFFREYS, (2) iv, p. 299: n. spp.
- Stylopsis*, n. gen. for *S. typica*, n. sp., Japan; ADAMS, (3) v, p. 406.
- Stylopsis sulcata*, N. China; ADAMS, (3) viii, p. 241: n. sp.
- Styloptygma*, n. gen. for *S. stylina*, Ad.; ADAMS, (3) v, p. 406.
- Syrnola*, n. gen. for *S. gracillima*, n. sp.; ADAMS, (3) v, p. 405.
- Syrnola cincella*, p. 333, *pupina, lepidula, teretiuscula, mera, bizonalis, pyramidalis*, p. 334, *vitrea, nitidula*, p. 335, Japan; ADAMS, (3) vi: *S. unilineata*, N. China; ADAMS, (3) vii, p. 296: n. spp.
- Turbonilla perfecta, eximia, venustula, macilenta, monocycla*, p. 418, *nitida, commoda, sculptilis, fragilis, bicincta, cincta*, p. 419, *munda, speciosa, debilis, modica, scaliola*, p. 420, *metulina*, p. 421, Japan; ADAMS, (3) vi: *T. terebra, cerina, scitula, albella*, p. 297, *compta, bifasciata*, p. 298, N. China; ADAMS, (3) vii: n. spp.
- Turritella fulvocincta* [*Turbonilla*], Ireland; THOMPSON, v, p. 98: n. sp.
- Volusia*, n. subgen. of *Bonellia*, type *B. imbricata*, Sby.; ADAMS, (3) viii, p. 306.

SCUTIBRANCHIATA.

RHIPHIDOGLOSSA.

HELICINIDÆ and HYDROCENIDÆ.

- Hapata*, n. subgen. of *Helicinidae*, type *Trochatella regina*; GRAY, (2) xviii, p. 414.
- Helicina andamanica*, Andamans; BENSON, (3) vi, p. 194: *H. japonica*, Japan; ADAMS, (3) viii, p. 141: *H. scrupulum*, Andamans; BENSON, (3) xii, p. 425: n. spp.
- Hydrocena*, animal; ADAMS, (3) vii, p. 196.
- Hydrocena illex*, p. 331, *pyxis*, p. 332, British Burma; BENSON, (2) xvii: *H. noticola*, Cape of Good Hope; BENSON, (2) xviii, p. 439: *H. frustrellum, rawesiana*, Burma; BENSON, (3) vi, p. 193: n. spp.

NERITIDÆ, TURBINIDÆ, TROCHIDÆ, DELPHINULIDÆ, and CYCLOSTREMATIDÆ.

- Alcyna*, p. 407, n. gen. for *A. ocellata, lepida*, p. 408, n. spp., Japan; ADAMS, (3) v.

- †*Alostoma*, n. gen. for *Nerita laevigata*, Sby., and *Monodonta heliciiformis*, n. sp. [nom. nud.]; LYCETT, (2) vi, p. 416.
- Calceolina*, n. gen. for *Neritina pusilla*, C. B. Ad.; ADAMS, (3) xi, p. 267.
- Chromotis*, n. gen. for *Phasianella neritina*, Dkr.; ADAMS, (3) xi, p. 19.
- Cyclostrema cutlerianum* is not the same as *Trochus exilis*; CLARK, (3) iii, p. 192: Is the same; JEFFREYS, t. c. p. 496.
- Cynisca japonica*, Japan; ADAMS, (3) viii, p. 244: n. sp.
- †*Delphinula quaternocingillata*, Inferior Oolite, England; LYCETT, (2) vi, p. 416: n. sp.
- Enida*, n. gen. for *E. japonica*, p. 408, *speciosa*, *gemmulosa*, p. 409, n. spp., Japan; ADAMS, (3) v.
- Ethalia atomaria*, p. 305, *perspicua*, N. China, *sobrina*, Japan, p. 306; ADAMS, (3) viii: *E. candida*, *polita*, Japan; ADAMS, (3) ix, p. 296: *E. omphalotropis*, *nitida*, Japan; ADAMS, (3) xi, p. 266: n. spp.
- Isander maculosus*, *crenelliferus*, Japan; ADAMS, (3) ix, p. 296: n. spp.
- Leioptyrga*, n. gen. for *L. picturata*, n. sp., hab. incert.; ADAMS, (3) xi, p. 19.
- Liotia armata*, N. China; ADAMS, (3) viii, p. 243: n. sp.
- Margarita undulata*, n. var.; MACANDREW & FORBES, xix, p. 97.
- Margarita sordida*, p. 324, *harrisoni*, p. 325, fig., Davis Strait; HANCOCK, xviii: *M. pusilla*, British Isles; JEFFREYS, xx, p. 17: n. spp.
- Microthyra*, n. gen. for *Isanda crenellifera*, Ad.; ADAMS, (3) xi, p. 265.
- Minolia*, n. gen., p. 336, for *M. punctata*, n. sp., p. 337, Japan; ADAMS, (3) vi.
- Mörchia*, n. gen. for *M. obvoluta*, n. sp., Japan; ADAMS, (3) v, p. 301.
- †*Nerita cassidiformis*, *lineata*, Inferior Oolite, England; LYCETT, (2) vi, p. 416: †*N. (Neritopsis) scalaris*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 288, fig.: n. spp.
- Neritina fluviatilis*, development; CLAPAREDE, (2) xx, p. 196.
- Neritina armstrongiana*, Marquesas; HINDS, x, p. 82, fig.: n. sp.
- Nipponia*, n. gen. for *N. pulchella*, n. sp., Japan; ADAMS, (3) vi, p. 336.
- †*Phasianella acutiuscula*, p. 417, *turbiniiformis*, *subangulata*, p. 418, Inferior Oolite, England; LYCETT, (2) vi: n. spp.
- Photinula*, animal; ADAMS, (3) vi, p. 111.
- Polydonta elegans*, abnormal operculum; GRAY, (2) xviii, p. 468, fig.
- Rotella*, note on animal; GRAY (277).
- Skenea [Cyclostrema serpuloides]*, animal; CLARK, (2) viii, p. 44.
- Skenea cutleriana [Cyclostrema]*, Devon; CLARK, (2) iv, p. 424: n. sp.
- †*Solariella*, n. gen. for *S. maculata*, n. sp., Coralline Crag, Sutton; WOOD, ix, p. 531, fig.
- †*Straparollus costellatus*, Carboniferous Limestone, Northumberland; McCoy, (2) xii, p. 194: n. sp.
- Teinostoma carpenteri*, N. China; ADAMS, (3) viii, p. 305: *T. concentricum*, *radiatum*, *lucidum*, Japan; ADAMS, (3) xi, p. 267: n. spp.
- Trochiscus*, n. gen. for *T. norrisii*, n. sp., hab. unknown; SOWERBY, Mag. Nat. Hist. n. s. ii, p. 96, fig.
- †*Trochodon*, n. subgen. of *Trochus* for *T. cancellatus*, n. sp.; SEELEY, (3) vii, p. 289, fig.
- Trochus skeneoides*, n. n. for *T. zonatus*, Jeffreys nec Wood; JEFFREYS, (2) xvii, p. 272.
- Trochus formosus*, Zetland Islands; MACANDREW & FORBES, xix, p. 96, fig.: *T. zonatus*, Piedmont; JEFFREYS, (2) xvii, p. 182, fig.: †*T. bicingendus*, p. 416, *alternans*, *cingillatoserratus*, *pileus*, *infundibuliformis*, p. 417, Inferior Oolite, England; LYCETT, (2) vi: †*T. celatus*, p. 49, *constrictus*, *moorei*, p. 50, Silurian, England; McCoy, (2) vii: †*T. (Trochodon) cancellatus*, (*Gibbula*) *levistriatus*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 290, figg.: n. spp.
- Turbo sarmaticus*, animal; ADAMS, (2) xx, p. 41.

- +*Turbo elaboratus*, figd., *cheltensis*, *varicosus*, Inferior Oolite, England; LYCETT, (2) vi, p. 416: +*T. crebristria*, Silurian, British Isles; M^cCOY, (2) vii, p. 49 : n. spp.
 +*Turboidea*, n. gen., p. 288, for *T. nodosa*, *expansa*, n. spp., p. 289, Upper Greensand, Cambridge; SEELEY, (3) vii, fig.
Umbonella, n. gen. for *Turbo murreus*, Rve., of which *Isanda maculosa*, Ad., is a synonym; ADAMS, (3) xi, p. 265.
Umbonida, review of Japanese species; ADAMS, (3) xi, p. 264: Animal; ADAMS, (3) vi, p. 100: *U. vestiarium*, animal; ADAMS, (3) vi, p. 288.

HALIOTIIDÆ, PLEUROTOMARIIDÆ, and FISSURELLIDÆ.

- Anatomus japonicus*, *lamellatus*, *turbinatus*, p. 347, *concinuus*, *stamineus*, Japan, *mirificus*, China, p. 348; ADAMS, (3) x : n. spp.
 +*Bellerophon interstitialis*, Palæozoic, N. S. Wales; M^cCOY, xx, p. 308, fig.: +*B. subdecussatus*, Silurian, British Isles; M^cCOY, (2) vii, p. 47 : n. spp.
Cemoria nobilis, Japan; ADAMS, (3) vi, p. 422 : n. sp.
Cranopsis, n. gen. for *C. pelex*, n. sp., Japan; ADAMS, (3) v, p. 302.
Cranopsis pileolus, Japan; ADAMS, (3) vi, p. 120 : n. sp.
 +*Emarginula granulata*, *leckhamptonensis*, p. 415, *alta*, p. 416, Inferior Oolite, England; LYCETT, (2) vi : n. spp.
 +*Fissurella brodiei*, Inferior Oolite, England; LYCETT, (2) vi, p. 415 : n. sp.
Haliotis, monstrosity; GRAY, (2) xix, p. 348.
Macroschisma, animal; ADAMS, (3) vi, p. 111.
 +*Murchisonia*, notes on; ARCHIAC, ix, p. 278.
 +*Murchisonia cancellatula*, p. 190, *gyrogonia*, *simplex*, p. 192, *torquata*, p. 193, Lower Palæozoic, British Isles; M^cCOY, (2) x: +*M. dispar*, Carboniferous Limestone, Northumberland; M^cCOY, (2) xii, p. 191 : n. spp.
 +*Pleurotomaria antrina*, Schloth., figd.; HOWSE, (2) xix, p. 470.
 +*Pleurotomaria morrisana*, Palæozoic, N. S. Wales; M^cCOY, xx, p. 306, fig. [Synonym of *P. triflata*, Dana; DANA, (2) ii, p. 150]: +*P. funata*, *lævigata*, Inferior Oolite, England; LYCETT, (2) vi, p. 417: +*P. semiconcava*, Upper Greensand, Cambridge; SEELEY, (2) vii, p. 291, fig.: +*P. crenulata*, Lower Palæozoic, British Isles; M^cCOY, (2) x, p. 190: +*P. decipiens*, p. 191, *erosa*, p. 192, Carboniferous Limestone, Northumberland; M^cCOY, (2) xii: +*P. pygmæa*, Carboniferous, Bristol; STODDART, (3) viii, p. 489, fig. : n. spp.
 +*Rimula minutissima*, Inferior Oolite, England; LYCETT, (2) vi, p. 416 : n. sp.
Schismope, n. gen. for *Scissurella striatula*, Phil.; JEFFREYS, (2) xvii, p. 321: Is a synonym of *Scissurella*; WOODWARD, t. c. p. 401: Is a good genus; JEFFREYS, t. c. p. 471: See WOODWARD, (2) xviii, p. 36: JEFFREYS, t. c. p. 188.
Scissurella, notes on; JEFFREYS, (2) xvii, p. 319; WOODWARD, t. c. p. 401: JEFFREYS, t. c. p. 470: WOODWARD, (2) xviii, p. 36: JEFFREYS, t. c. p. 188: *S. crispata*, notes on; CLARK, (2) xvii, p. 269; JEFFREYS, t. c. p. 271: *S. crispata*, animal; BARRETT (82).
Scissurella cancellata, Piedmont; JEFFREYS, (2) xvii, p. 181, fig.: *S. carinata*, *modesta*, *miranda*, Japan; ADAMS, (3) x, p. 346 : n. spp.
 +*Trochotoma carinata*, *funata*, Inferior Oolite, England; LYCETT, (2) vi, p. 417 : n. spp.
Tugalia, animal; ADAMS, (3) vi, p. 112.
Zeidora, n. gen. for *Z. calceolina*, n. sp., Japan; ADAMS, (3) v, p. 301.
Zeidora reticulata, Japan; ADAMS, (3) ix, p. 298 : n. sp.

DOCOGLOSSA.

ACMÆIDÆ, and PATELLIDÆ.

- †*Acmæa tenuistriata*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 292, fig.: n. sp.
Lottia pulchella, note on; FORBES, vi, p. 316: Is the young of *L. virginea*, Mull.; ALDER, viii, p. 406.
Patellæ, habits and sexes; GRAY, i, pp. 482, 483: *P. vulgata*, habits of; LUKIS, Mag. Nat. Hist. iv, pp. 346–351: *P. tricornis*, Turt., is a portion of *Serpula*; GLOSSOP, Mag. Nat. Hist. viii, p. 622: Notes on British species; G. J., Mag. Zool. Bot. ii, p. 365: *P. vulgata*, n. var.; MURRAY, (2) xix, p. 211.
Patella pulchella, Isle of Man; FORBES, Mag. Nat. Hist. viii, p. 591, fig.: *P. (?) ancyloides*, Arran; FORBES, v, p. 108, fig.: *P. insessa*, California; HINDS, x, p. 82, fig.: †*P. inornata, retifera*, Inferior Oolite, England; LYCETT, (2) vi, p. 415: n. spp.
Patelloidea depicta, California; HINDS, x, p. 82, fig.: n. sp.
Scurria scurra and *zebrina*, note on; GRAY, (2) xv, p. 238.

III. SCAPHOPODA.

Dentalium, animal of; CLARK, (2) iv, p. 321.

IV. PELECYPODA.

Branchial currents; ALDER, (2) iv, p. 242: Classification; GRAY (272): Branchial Currents; CLARK (210): Classification; GRAY (284): Classification; GRAY (287): Branchial Currents; WILLIAMS (541): ALDER (58): Animals of several Pelecypods; WOODWARD (550): Animals of several genera; WOODWARD (551): Circulatory System; ROLLESTON & ROBERTSON, (3) x, p. 446.

SEPTIBRANCHIATA.

Poromya subtrigona, Shetlands; JEFFREYS, (3) i, p. 42, fig.: n. sp.

EULAMELLIBRANCHIATA.

ANATINACEA.

- †*Allorisma*, n. gen. for *Sanguinolaria sulcata*, Ph.; KING, xiv, p. 315.
Aspergillum, development of shell; GRAY, (3) i, p. 423.
†*Cardiomorpha orbicularis*, Carboniferous Limestone, Derbyshire; McCoy, (2) xii, p. 189: n. sp.
Chamostrea albida, anatomy; HANCOCK (315).
†*Edmondia rudis*, Carboniferous Limestone, Northumberland; McCoy, (2) xii, p. 190: †*E. elongata*, Permian, North England; Howse, (2) xix, p. 312, fig.: n. spp.
Humphreyia, n. gen. for *Aspergillum strangei*, Ad.; GRAY, (3) ii, p. 16, fig.
†*Leptodomus globulosus, truncatus*, Silurian, British Isles; McCoy, (2) vii, p. 57: †*L. costellatus*, Carboniferous, British Isles; McCoy, (2) vii, p. 175: †*L. constrictus*, Devonian, Devon; McCoy, (2) viii, p. 488: n. spp.

- Lyonsia gibbosa*, Davis Strait; HANCOCK, xviii, p. 338, fig. : n. sp.
Myochama anomioidea, habitat; STRANGE, (2) ii, p. 222: *M. anomioidea*, anatomy; HANCOCK (316).
Pandorina coruscans, Scacchi, notes on; PHILIPPI, iv, p. 294: GRAY, iv, p. 305.
 †*Pholadomya decussata*, n. var., Greensand; SEELEY, (3) vii, p. 122.
Platymya, hinge of; LYCETT (407).
 †*Platymya rodborensis*, Inferior Oolite, Gloucestershire; LYCETT, (2) viii, p. 84, fig. : n. sp.
 †*Sanguinolites anguliferus*, Silurian, British Isles; McCoy, (2) vii, p. 56: †*S. clava*, p. 172, *subcarinatus*, p. 173, *variabilis*, p. 174, Carboniferous, British Isles; McCoy, (2) vii: †*S. decipiens*, Lower Palæozoic, British Is.; McCoy, (2) x, p. 189 : n. spp.
Tyleria, n. gen. for *T. fragilis*, n. sp., Mazatlan; ADAMS, (2) xiv, p. 418.
Verticordia japonica, *multicostata*, Japan; ADAMS, (3) ix, p. 224 : n. spp.

PHOLADACEA.

- Bornia erythraea*, Red Sea; GRAY, (2) viii, p. 382: n. sp.
Gastrochaena, notes on; LUKIS, Mag. Nat. Hist. vi, pp. 401-405.
Martesia australis, N. W. Australia; GRAY, (2) viii, p. 384: n. sp.
Navea, n. gen. for *N. subglobosa*, California, *tenuis*, hab. unknown, n. spp.; GRAY, (2) viii, p. 385.
Pholadacea, classification of; GRAY (264): Anatomy; CLARK, (2) vi, p. 313: Gill currents; ALDER & HANCOCK (70).
Teredina, structure and position of genus; GRAY (304).
Teredo, notes on; JEFFREYS (359): Boring and habits of; JEFFREYS, (3) vi, p. 289.
Teredo subericola (Macgillivray MS), p. 122, *excavata* (Lukis MS), *bipartita*, p. 123, *spatha*, p. 124, *fusticulus*, *cucullata* (Norman MS), p. 125, *fimbriata*, p. 126, British Isles; JEFFREYS, (3) vi: n. spp.

MYACEA and CARDIACEA.

- Avicularium*, n. gen. of *Tridacnidae*, for *Cardium avicularia* and *cymbulare*; GRAY, (2) xi, p. 41.
Cardium exiguum, notes on animal; GOSSE, (2) xviii, p. 257.
Cardium leve, Sierra Leone; GRAY, i, p. 28: *C. loveni*, Ireland; THOMPSON, xv, p. 317, fig.: †*C. globosum*, Cornbrash, Scarborough; BEAN, Mag. Nat. Hist. n. s. iii, p. 60, fig.: †*C. semicostatum*, *laevigatum*, p. 422, *punctato-striatum*, p. 423, Inferior Oolite, England; LYCETT, (2) vi: n. spp.
Corbula bifrons, Japan; ADAMS, (3) v, p. 412: *C. amplexa*, China; ADAMS, (3) ix, p. 223: †*C. imbricata*, Inferior Oolite, England; LYCETT, (2) vi, p. 422 : n. spp.
 †*Corburella*, n. gen., type *Corbula curtansata*, Phillips, Oolite; LYCETT, (2) vi, p. 422.
Fulvia, n. gen. for *F. aperta*; GRAY, (2) xi, p. 40.
 †*Hiutella interlineata*, Inferior Oolite, England; LYCETT, (2) vi, p. 421: n. sp.
Hypogella, n. gen. for *H. ambigua*, *vaginata*; GRAY, (2) xiv, p. 23.
Lunulicardia, n. gen. for *L. retusa*; GRAY, (2) xi, p. 41.
Mya, gill currents; ALDER & HANCOCK (70): *M. swainsoni* is young of *M. truncata*; FORBES, iv, p. 220.
Novaculina, figd.; BENSON, (3) i, p. 409.

- †*Pachyodon*, n. gen. for *Unio listeri*, Sby., and others; STUTCHBURY, viii, p. 481.
- †*Pachyodon imbricatus*, p. 483, *cuneatus*, Lias, *lanceolata*, p. 484, Oolite, *attenuatus*, *ovalis*, p. 485, Lias, England; STUTCHBURY, viii, figg.: †*P. gerardi*, p. 390, *lateralis*, *sulcatus*, *rugosus*, *subrotundus*, *bipennis*, p. 391, *dawsoni*, *manus*, *rhindii*, *amygdala*, *exoletus*, *dubius*, p. 392, *subtriangularis*, *smithii*, *embletoni*, *heyii*, *agrestis*, *similis*, p. 393, *turgidus*, *nucleus*, *lalaydsii*, *aldamii*, *antiquus*, p. 394, *transversus*, *hamatus*, *vetustus*, *levedensis*, p. 395, *pyramidatus*, p. 396, Carboniferous, British Isles; BROWN, xii, figg.: n. spp.
- Panopœa*, note on, with fig.; BEAN, Mag. Nat. Hist. viii, p. 562.
- †*Panopœa delicatissima*, Inferior Oolite, England; LYCETT, (2) vi, p. 423: n. sp.
- Pharellu*, n. gen. for *P. javanica* and others; GRAY, (2) xiv, p. 24.
- †*Pleurorhynchus australis*, Palæozoic, N. S. Wales; McCoy, xx, p. 300, fig.: n. sp.
- Saxicava spins* a byssus; WEST, (3) iii, p. 511; ROBERTSON, (3) iv, p. 80.

VENERACEA and TELLINACEA.

- Amphidesma intermedia*, Ireland; THOMPSON, xv, p. 318, fig.: †*A. decussatum*, Cornbrash, Scarborough; BEAN, Mag. Nat. Hist. n. s. iii, p. 59, fig.: n. spp.
- Cœcella*, n. gen. for *C. horsfieldii*; GRAY, (2) xi, p. 43.
- Ceronia*, n. gen. for *C. denticulata*; GRAY, (2) xi, p. 44.
- Cyclina sinensis*, animal, GRAY (288).
- Cytherea ovum*, hab. unknown; HANLEY, xvi, p. 356: †*C. picta*, Inferior Oolite, England; LYCETT, (2) vi, p. 423: n. spp.
- †*Cytheropsis aldensis*, Ayrshire, Cambro-Silurian; McCoy, (2) viii, p. 387: n. sp.
- Darina*, n. gen. for *D. solenoides*; GRAY, (2) xi, p. 42.
- Davila*, n. gen. for *D. polita*, n. sp. [nom. nud.]; GRAY, (2) xi, p. 44.
- Eustonia*, n. gen. for *E. rugosa*; GRAY, (2) xi, p. 42.
- Elizia*, n. gen. for *Solen orbiculatus*, Gray; GRAY, (2) xiv, p. 24.
- Erilia japonica*, Japan; ADAMS, (3) ix, p. 224: n. sp.
- Gnathodon*, n. gen. for *G. cuneata*, Gray; GRAY, Mag. Nat. Hist. n. s. i, pp. 337, 376.
- Harvella*, n. gen. for *H. elegans*; GRAY, (2) xi, p. 42.
- Hettangia*, Turquem., is a synonym of *Tancredia*; LYCETT, (2) xi, p. 221.
- †*Isodonta*, note on; LYCETT, (2) xx, p. 367.
- Lucinopsis undata*, notes on; CLARK, (2) ix, p. 400.
- Lutraria senegalensis*, Africa, *elongata*, Prince of Wales I., p. 374, *zealandica*, New Zealand, p. 375; GRAY, Mag. Nat. Hist. n. s. i: n. spp.
- Macridæ*, notes on; GRAY (248).
- Maetra discors*, hab. unknown, *ornata*, China, p. 371, *exoleta*, hab. unknown, *reevesii*, China, *vitrea*, hab. unknown, p. 372; GRAY, Mag. Nat. Hist. n. s. i: *M. sauliana*, China; GRAY, i, p. 29: n. spp.
- Macrellia*, n. gen. for *M. striatula*; GRAY, (2) xi, p. 41.
- Macrinula*, n. gen. for *M. plicaria*; GRAY, (2) xi, p. 41.
- Mulinia*, n. gen. for *M. typica*, *bicolor*, p. 375, hab. unknown, *donaciformis*, South Sea, *byronensis*, *exalbida*, South America, p. 376, n. spp., and others; GRAY, Mag. Nat. Hist. n. s. i. [See also p. 337.]
- Narario*, n. gen. of *Petricolidæ* for *N. costata* and *radiata* [? n. spp.]; GRAY, (2) xi, p. 38.
- †*Notomya*, n. gen. for *N. securiformis*, *clavata*, n. spp., Palæozoic, N. S. Wales; McCoy, xx, pp. 304 & 305, figg.
- †*Pachydomus gigas*, *sacculus*, p. 301, *ovalis*, *pusillus*, p. 302, Palæozoic, N. S. Wales; McCoy, xx, figg.: n. spp.

- Psammobia decora*, California; HINDS, x, p. 81, fig.: n. sp.
 +*Ptychomya agassizii*, Inferior Oolite, England; LYCETT, (2) vi, p. 408, fig.: n. sp.
 +*Pullastra* (?) *striatocostata*, Palæozoic, N. S. Wales; McCoy, xx, p. 305, fig.: n. sp.
 +*Quenstedtia*, note on genus; LYCETT, (2) xix, p. 53.
Raëta, n. gen. for *R. campechensis*; GRAY, (2) xi, p. 43.
Resania, n. gen. for *R. lanceolata* [? n. sp.]; GRAY, (2) xi, p. 43.
Sanguinolaria iridescens, Chusan; BENSON, ix, p. 490: n. sp.
Scissodesma, n. gen. for *Macra spengleri*, L., and others; GRAY, Mag. Nat. Hist. n. s. i, pp. 337, 370.
Spisula, n. gen. for *Macra striatella*, Lam., and others; GRAY, Mag. Nat. Hist. n. s. i, pp. 337, 372.
Standella, n. gen. for *S. fragilis* and *egyptiaca*; GRAY, (2) xi, p. 42.
 +*Tancredia*, n. gen., p. 407, for *T. donaciformis, sulcata*, n. spp., figd., p. 424, Inferior Oolite, England; LYCETT, (2) vi.
 +*Tancredia donaciformis*, Inferior Oolite, Stroud; LYCETT, (2) xi, p. 222, fig.: +*T. leviuscula*, Lias, Gloucestershire; LYCETT, (3) ii, p. 261: n. spp.
Tanyisiphon, n. gen. for *T. rivalis*, n. sp., Bengal; BENSON, (3) i, p. 408, fig.
Taria, n. gen. for *T. stokesii*, n. sp. [nom. nud.]; GRAY (2) xi, p. 44.
 +*Tellina dunelmensis*, Permian, North England; HOWSE, (2) xix, p. 312, fig.: n. sp.
 +*Tellinites affinis*, Silurian, British Isles; McCoy, (2) vii, p. 51: n. sp.
Tresus, n. gen. for *T. maximus*; GRAY, (2) xi, p. 42.
Venus bruguieri, hab. unknown, p. 356, *magnifica*, Philippines, p. 357; HANLEY, xvi: *V. plagia*, British Isles; JEFFREYS, xix, p. 314: +*V. (1) gregaria*, Palæozoic, N. S. Wales; McCoy, xx, p. 305, fig.: n. spp.
Zenatia, n. gen. for *Z. zelandica*; GRAY, (2) xi, p. 43.

SUBMYTILACEA.

- Acostæa*, D'Orb., note on genus; GRAY, (2) ix, p. 152.
Anodon rugosus, Swainson, equals *A. marginata*, Say; J. L., Mag. Nat. Hist. ii, p. 116.
Anodon gibbum, Chusan; BENSON, ix, p. 489: n. sp.
 +*Anodontopsis*, n. gen., p. 53, for *A. angustifrons*, p. 54, *quadratus, securiformis*, p. 55, n. spp., Silurian, British Isles; McCoy, (2) vii.
 +*Anthracosia*, notes on genus and species, with *A. beani*, n. sp., to be the type, Carboniferous; KING, (2) xvii, p. 51.
Astarte incrassata, De la Jonk., animal; PHILIPPI, iv, p. 297.
Astarte crebricostata, Zetland Islands; MACANDREW & FORBES, xix, p. 98, fig.: *A. warhami*, Davis Strait; HANCOCK, xviii, p. 336, fig.: +*A. quadrata, bullata, formosa*, Inferior Oolite, England; LYCETT, (2) vi, p. 423: n. spp.
Azarella, n. gen. for *A. semiorbiculata, gubernaculum*; GRAY, (2) xiv, p. 22.
 +*Cardinia*, notes on genus, with list of species; STRICKLAND, xiv, p. 100: Notes on genus; PORTLOCK, xv, p. 343.
 +*Cardinia* (?) *exilis*, Palæozoic, N. S. Wales; McCoy, xx, p. 302, fig. [Synonym of *C. recta*, Dana; DANA, (2) ii, p. 150]: n. sp.
Clausina, n. gen. for *Kellia ferruginosa*, Forbes, *K. abyssicola*, Forbes, and *C. croulinensis*, n. sp., British Isles; JEFFREYS, xx, p. 18.
Corbicula fuscata, Chusan; BENSON, ix, p. 490: *C. quiltonica*, Travancore; BENSON, (3) vi, p. 260 [Is a *Batissa*; BENSON, (3) x, p. 415]: n. spp.
Corbis, anatomy; VALENCIENNES, xvi, p. 41.
 +*Corbis aspera*, figd., *levigatus*, Inferior Oolite, England; LYCETT, (2) vi, p. 423: n. spp.

- Cryptodon japonicus*, Japan, *manchuricus*, China, *oblongus*, *plicatus*, Japan, *sulcatus*, *subquadratus*, *suborbicularis*, China; ADAMS, (3) ix, p. 227 : n. spp.
- +*Cypriocardia siliqua*, Inferior Oolite, England; LYCETT, (2) vi, p. 422 : n. sp.
- Cyrena obesa*, *tenebrosa*, Fiji-Is.; HINDS, x, p. 81 : +*C. trigonula*, ?Pliocene, Woodbridge; WOOD, Mag. Nat. Hist. vii, p. 275, fig. : n. spp.
- Diodonta barleei*, W. Ireland; JEFFREYS, (3) i, p. 43, fig. [Is the fry of *Diplodonta rotundata*; CLARK, (3) iii, p. 407: Accepted by JEFFREYS, t. c. p. 496]: n. sp.
- Dreissena purpurascens*, Chusan; BENSON, ix, p. 489: +*D. lunularis*, Inferior Oolite, England; LYCETT, (2) vi, p. 421 : n. spp.
- Galeomma*, animal; PHILIPPI, iv, p. 92.
- Galeomnina* (sic) *japonica*, Japan; ADAMS, (3) ix, p. 228 : n. sp.
- Hyria*, note on animal; GRAY, vi, p. 316.
- +*Isocardia triangularis*, Cornbrash, Scarborough; BEAN, Mag. Nat. Hist. n. s. iii, p. 60, fig. : n. sp.
- Kellia rubra*, animal; ALDER, (2) ii, p. 217: CLARK in FORBES, (2) iii, p. 293: ALDER, (2) iii, p. 383: CLARK, (2) iii, p. 452: ALDER, (2) iv, p. 48: CLARK, (2) iv, p. 114.
- Lazaria*, n. gen. for *L. pectineus*, *radiata*; GRAY, (2) xiv, p. 22.
- Lepton sulcatulum* is the fry of *Circe minima*: CLARK, (3) v, p. 27: Is quite distinct; JEFFREYS, t. c. p. 131.
- Lepton clarkiae*, Devon; CLARK, (2) ix, pp. 191, 293: *L. sulcatulum*, Guernsey, &c.; JEFFREYS, (3) iii, pp. 34, 119, fig.: *L. japonicum*, Japan: ADAMS, (3) ix, p. 228 : n. spp.
- Lithophagella*, n. gen. for *Cardita lithophagella*, Lam.; GRAY, (2) xiv, p. 21.
- Lucina*, anatomy; VALENCIENNES, xvi, p. 41.
- Mittrea*, n. gen., type *Diplodonta brasiliensis*; GRAY, (2) xiv, p. 25.
- +*Modiolopsis inflata*, (?*Orthonota*) *postlineata*, Silurian, British Isles; McCoy, (2) vii, p. 58 : n. spp.
- Montacuta ferruginosa*, animal; ALDER, (2) v, p. 210.
- Myrtea gibba*, Japan, *reticulata*, Japan and China, *fimbriatula*, p. 225, *lamellata*, *plicatula*, *obesula*, *decussatula*, *circinata*, Japan, *delicatula*, Korea Strait, p. 226; ADAMS, (3) ix : n. spp.
- +*Opis angustatus*, *gibbosus*, figd., Inferior Oolite, England; LYCETT, (2) vi, p. 421 : n. spp.
- Psidium*, notes on British species; JENYNS (368).
- Psidium lumstenianum*, Algeria; FORBES, ii, p. 255, fig. : n. sp.
- +*Pleurophorus*, n. gen. for *Arca costata*, Brown; KING, xiv, p. 313.
- Sphaerium pallidum*, England; GRAY, (2) xvii, p. 466, fig. [Is a synonym of *S. lacustre*; JEFFREYS, (2) xviii, p. 74]: *S. pisidioides*, England; GRAY, (2) xviii, p. 25 : n. spp.
- Tellinmya japonica*, Japan; ADAMS, (3) ix, p. 225 : n. sp.
- Unio* sometimes spins a byssus; ANTHONY and GRAY, vi, p. 77: *U. batavus* and allies, note on; J. L., Mag. Nat. Hist. ii, p. 102.
- Unio* (*Theliderma*) *divergens*, Chusan; BENSON, ix, p. 489: *U. jenkinsianus*, p. 185, *pachysoma*, *theca*, p. 186, *macilentus*, p. 187, *favidens* (with n. varr.), p. 188, *smaragdites*, *triembolus*, p. 190, *plagiosoma*, *leuirostris*, p. 191, *pinax*, *leioma*, p. 192, India, *crispisulcatus*, *pugio*, p. 193, Burma; BENSON, (3) x: +*U. distortus*, Oolite, Scarborough; BEAN, Mag. Nat. Hist. ix, p. 376, fig. : n. spp.

PSEUDOLAMELLIBRANCHIATA.

- +*Ambonychia* (?) *acuticostata*, Silurian, British Isles ; McCoy, (2) vii, p. 59 : n. sp.
Avicula radiata, Leach, figd. ; TEMPLETON, xi, p. 325.
 +*Avicula longicostata*, Lias, Somerset ; STUTCHBURY, Mag. Nat. Hist. n. s. iii, p. 163, fig. : +*A.* (?) *danbyi*, Silurian, British Isles ; McCoy, (2) vii, p. 59 : n. spp.
 +*Aviculopecten*, n. gen. for *A. planoradiatus*, p. 171, *ruthveni*, p. 172, Carboniferous, England, n. spp. ; McCoy, (2) vii.
Crenatula travisii, Scarborough ; TURTON, Mag. Nat. Hist. vii, p. 350, fig. : n. sp. [Equals *Perna alata*, Gmel., and is not British].
 +*Gervillia aurita*, figd., *levigata*, Inferior Oolite, England ; LYCETT, (2) vi, p. 421 : n. spp.
 +*Gryphæa buckmanni*, Inferior Oolite, Cotteswolds ; LYCETT, (2) xi, p. 201 : n. sp.
 +*Hinnites sepultus*, Inferior Oolite, England ; LYCETT, (2) vi, p. 420 : +*H. trilinearis*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 119, fig. : n. spp.
 +*Inoceramus cuvieri*, Sby., note on, with fig. ; STOCK, Mag. Nat. Hist. i, p. 69.
 +*Inoceramus mitchellii*, Palæozoic, N. S. Wales ; McCoy, xx, p. 299, fig. : n. sp.
Lima, notes on British species ; FORBES, Mag. Nat. Hist. viii, p. 593.
 +*Lima exilis, oblonga*, p. 234, *fragilis, plicatula*, (*Limatula*, n. subgen.) *ovata*, p. 235, (*L.*) *subauriculata*, p. 236, Coralline Crag, Suffolk ; WOOD, Mag. Nat. Hist. n. s. iii, figg. : +*L. plicata, alata, punctatilla, minutissima*, Inferior Oolite, England ; LYCETT, (2) vi, p. 420 : +*L. elliptica*, Oolite, near Oxford ; WHITEAVES, (3) viii, p. 146, fig. : n. spp.
 +*Limatula*, n. subgen. of *Lima* for *L. ovata, subauriculata*, n. spp. ; WOOD, Mag. Nat. Hist. n. s. iii, p. 235.
Limea, note on ; LYCETT, (2) xvi, p. 256.
Meleagrina, on Ceylon pearl oyster ; DALLAS (228).
Ostrea, curious specimen ; BUSK (170) : GRAY (289) : HENSLOW (323, 324).
 +*Ostrea cunabula, lagena*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 117, figg. : n. spp.
Pecten macgillivrayi, Scotland ; EDMONDSTON, xv, p. 250 : +*P. ptychotis, subquinguelineatus*, Palæozoic, N. S. Wales ; McCoy, xx, p. 298, figg. : *P. lineolatus*, Inferior Oolite, England ; LYCETT, (2) vi, p. 420 : *P. barretti*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 118, fig. : n. spp.
 +*Perna quadrata*, note on with fig. ; LYCETT, (2) xv, p. 427 : +*P. lanceolata*, occurrence of pearls ; SEELEY, (3) vii, p. 122, fig.
 +*Perna oblonga, semielliptica*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 121, figg. : n. spp.
 +*Pinna hastata*, Inferior Oolite, England ; LYCETT, (2) vi, p. 421 : +*P. spatula*, Carboniferous Limestone, Derbyshire and Northumberland ; McCoy, (2) xii, p. 188 : n. spp.
 +*Plicatula elongata*, Inferior Oolite, England ; LYCETT, (2) vi, p. 420 : n. sp.
 +*Pterinæa asperula, hians*, p. 60, *megaloba, soverbii*, p. 61, *tenuistriata*, p. 62, Silurian, British Isles ; McCoy, (2) vii : n. spp.
 +*Pteronites persulcatus*, Limestone, British Isles ; McCoy, (2) vii, p. 170 : n. sp.
 +*Pteroperna*, n. gen. for *P. gibbosa*, n. sp., Inferior Oolite, England ; LYCETT, (2) vi, p. 421.

- Spondylus*, structure of shell ; OWEN, Mag. Nat. Hist. n. s. ii, p. 407.
 †*Strebllopteria*, n. gen. near *Avicula*, no species named ; M^cCOY, (2) vii, p. 170.
 †*Trichites*, on genus, with *T. nodosus*, *undatus*, Oolite, Cotteswolds, apparently n. spp. ; LYCETT, (2) v, pp. 343–347, figg.

FILIBRANCHIATA.

- Acar*, n. sect. of *Barbatia* for *B. reticulata* and others ; GRAY, (2) xix, p. 369.
Anomia coronata, Scarborough ; BEAN, Mag. Nat. Hist. viii, p. 564, fig. : *A. radulina*, *pustulosa*, Japan ; ADAMS, (3) viii, p. 142 : †*A. semi-striata*, Cornbrash, Scarborough ; BEAN, Mag. Nat. Hist. n. s. iii, p. 61, fig. : *A. (?) transversa*, Upper Greensand, Cambridge : SEELEY, (3) vii, p. 123, fig. : n. spp.
Arcaida, classification ; GRAY, (2) xix, p. 366.
Arca galactodes, Chusan ; BENSON, ix, p. 489 : †*A. lactanea*, *raridentata*, Coralline Crag, Suffolk ; WOOD, Mag. Nat. Hist. n. s. iv, p. 232, figg. : †*A. rudiuscula*, Inferior Oolite, England ; LYCETT, (2) vi, p. 424 : †*A. (Byssarca) subæqualis*, p. 51, *edmondiaformis*, p. 52, Silurian, British Isles ; M^cCOY, (2) vii : †*A. (?) sulcata*, Upper Greensand, Cambridge ; SEELEY, (3) vii, p. 119, fig. : n. spp.
Calloarca, n. sect. of *Barbatia* for *B. alternata* ; GRAY, (2) xix, p. 369.
Crenella spectabilis, Japan, *decorata*, China, p. 228, *cornea*, Korea Strait, *sculptilis*, *crocea*, *casta*, Japan, p. 229 ; ADAMS, (3) ix : n. spp.
 †*Cucullea amæna*, p. 424, *nana*, *bipartita*, *obliqua*, p. 425, Inferior Oolite, England ; LYCETT, (2) vi : n. spp.
Cyrilla, n. n. for *Huxleyia*, Adams ; ADAMS, (3) v, p. 477.
Cyrilla decussata, Japan ; ADAMS, (3) ix, p. 295 : n. sp.
 †*Dolabra elliptica*, p. 52, *obtusa*, p. 53, Silurian, British Isles ; M^cCOY, (2) vii : n. spp.
Huxleyia, n. gen. for *H. sulcata*, n. sp., Japan ; ADAMS, (3) v, p. 303 : Nom. præocc. ; GREENE, t. c. p. 432 : Renamed *Cyrilla*, q. v.
Limopsis, notes on ; JEFFREYS, (3) x, p. 343.
Limopsis pellucida, Guernsey ; JEFFREYS, (3) iii, p. 41, fig. : *L. oblonga*, Japan ; ADAMS, (3) v, p. 412 : n. spp.
 †*Lithodomus attenuatus*, Inferior Oolite, England ; LYCETT, (2) vi, p. 425 : †*L. jenkinsi*, Carboniferous Limestone, Northumberland ; M^cCOY, (2) xii, p. 189 : n. spp.
Modiolus discrepans, animal ; GRAY, ii, p. 480.
Modiola senhousia [sic], Chusan ; BENSON, ix, p. 489 : *M. cuprea*, Scarborough ; JEFFREYS, (3) iii, p. 40 : †*M. crassissima*, Palæozoic, N. S. Wales ; M^cCOY, xx, p. 300, fig. : †*M. lycetti*, Oolite, near Oxford ; WHITEAVES, (3) viii, p. 146, fig. : n. spp.
Modiolaria pusio, Japan ; ADAMS, (3) ix, p. 229 : n. sp.
Myrina, n. gen. for *M. denhami*, n. sp. ; ADAMS, (2) xiv, p. 76.
Mytilus edulis, habits ; ROBERTSON (480).
Mytilus subsaxatilis, Yorkshire and Durham ; WILLIAMSON, Mag. Nat. Hist. vii, p. 353, fig. : *M. niger*, Chusan ; BENSON, ix, p. 489 : †*M. subrectus*, *crenatus*, Inferior Oolite, England ; LYCETT, (2) vi, p. 421 : n. spp.
 †*Pectunculus subobliquus*, Red Crag, Suffolk ; WOOD, Mag. Nat. Hist. n. s. iv, p. 233, fig. : n. sp.
 †*Placuna (?) complicata*, Inferior Oolite, England ; LYCETT, (2) vi, p. 420 : n. spp.
 †*Placunopsis sparsicostatus*, Lias, Gloucestershire ; LYCETT, (3) ii, p. 262 : *P. similis*, Oolite, near Oxford ; WHITEAVES, (3) viii, p. 146, fig. : n. spp.

- +*Pleurodon*, n. gen. for *P. ovalis*, n. sp., Coralline Crag, Suffolk; WOOD, Mag. Nat. Hist. n. s. iv, p. 230, fig.
Rasia, n. sect. of *Anadara* for *A. formosa* and others; GRAY, (2) xix, p. 371.
Scaphula, Bens., note on genus, with *S. pinna*, n. sp., p. 128, Tenasserim; BENSON, (2) xvii, p. 127.
+*Schizodes*, n. gen. for "the Permian and Carboniferous *Axinuses*"; KING, xiv, p. 313.
Tedinia, n. gen. for *T. pernoidea*, n. sp., California (?); GRAY, (2) xii, p. 150.
+*Trigonia costatula*, p. 231, *tuberculosa*, *clavocostata*, p. 235, figd., with notes on other species; LYCETT (410).
Trigonia lamarekii, Port Jackson; GRAY, i, p. 482: +*T. costatula*, p. 421, *quinquecostata*, *tuberculosa*, p. 422, *clavocostata*, p. 425, Oolite, Cotteswolds; LYCETT, (2) vi: +*T. tenuicosta*, p. 230, *hemisphaerica*, p. 231, *exigua*, v.-*costata*, p. 232, *decorata*, p. 233, *gemmata*, p. 234, Inferior Oolite, Cotteswolds; LYCETT, (2) xii, figg.: +*T. hunstantonensis*, Upper Greensand, Cambridgeshire; SEELEY, (3) vii, p. 123, fig.: n. spp.

PROTOBRANCHIATA.

- +*Clidophorus ovalis*, Silurian, British Isles; McCoy, (2) vii, p. 55: n. sp.
+*Cucullella*, n. gen., no species named, Silurian; McCoy, (2) vii, p. 50.
Nucula inflata, Davis Strait; HANCOCK, xviii, p. 333, fig.: +*N. trigonula*, *tenera*, p. 295, *oblongoides*, *semistriata*, p. 297, Pliocene, East England; WOOD, Mag. Nat. Hist. n. s. iv, figg.: +*N. packeri* (Forbes), *schomburgkii* (Forbes), (?) Tertiary, Barbados; SCHOMBURGK, (2) i, p. 348, figg.: +*N. subelliptica*, *rhomboidea*, Upper Greensand, Cambridge; SEELEY, (3) vii, p. 120, figg.: n. spp.
Sarepta, n. gen. for *S. speciosa*, n. sp., Japan; ADAMS, (3) v, p. 303.
+*Solemya normalis*, p. 308, *abnormis*, p. 309, Permian, North England; HOWSE, (2) xix, figg.: n. spp.
+*Tellinomya lingulaeomes*, Silurian, British Isles; McCoy, (2) vii, p. 56: n. sp.

V. AMPHINEURA.

POLYPLACOPHORA.

- British species; CLARK (207): Embryology; CLARK (215): Development; LOVEN (393).
Review of known fossil species; KONINCK (389).
Chiton brevispinosus, E. Africa, *spiniger*, hab. unknown, p. 287, figg., *alternatus*, Japan, *pectinatus*, fig., hab. unknown, *watsoni*, Cape of Good Hope, p. 288, *ciliatus*, hab. unknown, *petholatus*, Australia, *strigatus*, p. 289, *hastatus*, fig., *foveolatus*, hab. unknown, *australis*, Australia, p. 290, *virgulatus*, *patulus*, hab. unknown, *evanidus*, Australia, *tenuistriatus*, hab. unknown, p. 291, *cymbiola*, Cape of Good Hope, *sculptus*, fig., *versicolor*, p. 292, *lyratus*, hab. unknown, *lenticinosus*, Australia, *concinus*, Chonos, *fimbriatus*, Peru, p. 293, *atratus*, Falkland Is., p. 294; SOWERBY, Mag. Nat. Hist. n. s. iv: *C. gracilis*, S. of England; JEFFREYS, (3), iii, p. 106, fig.: n. spp.
Lorica, n. gen. of *Chitonida*, type *Chiton cimolius*, Reeve; ADAMS, (2) ix, p. 355.

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